

SAMSUNG

# DB-D SERIES COMMERCIAL LED LCD DISPLAYS

MAKE AN IMPACT ON YOUR AUDIENCE, NOT ON YOUR BUDGET



## AFFORDABLE COMMERCIAL LED LCD DISPLAYS WITH FULL CONNECTIVITY

Engaging audiences in a cost-efficient way has always been a strength of Samsung. The tradition continues with the DB-D Series. Available in 32", 40", 48" and 55", these innovative displays are a highly reliable and highly cost-efficient solution ideal for retail environments, quick service restaurants, meeting rooms, public spaces and more. Full HD screens deliver rich and detailed imagery, flexible content options are ensured via a multitude of inputs, and there's an opportunity to save even more with the Smart Signage Platform. **The New Business Experience**

### CONTACT US:

1-800-SAMSUNG | 1-866-SAM4BIZ

[samsung.com/business](http://samsung.com/business)

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## KEY FEATURES



### Enhanced System-on-Chip Performance with Quad-Core CPU

Powered by a System-on-Chip semiconductor and quad-core CPU, Samsung's Smart Signage Platform reduces TCO for digital signage deployments, providing savings in hardware, installation and operating costs.



### New Industrial Design

A sleek, stylish new look features a 9.5mm with optional customizable bezel trim kits (white, titanium silver, matte black, wood grain).



### Ultra-Slim 2.0" Chassis

The stylishly thin chassis helps simplify installation while meeting ADA compliance requirements.



### Slim-Direct LED Backlight

The slim-direct-lit displays of the DB-D Series feature 1920 x 1080 Full HD resolution with 350 nits brightness and 5000:1 contrast ratio for sharp, detail-rich images and crisp, easily legible type.



### Optional Touch Overlay

PC-less touch, uses embedded SoC doesn't require external PC. Add an optional IR touch overlay accessory to enable up to 10 simultaneous touch points.



### Magic Info-s Digital Signage Software

The software allows you to create playlists, set playback schedules and publish content directly to the display. Most traditional file formats are supported including RSS feeds and live web pages.

THE NEW  
BUSINESS  
EXPERIENCE

# Samsung DB-D Series Commercial LED LCD Displays

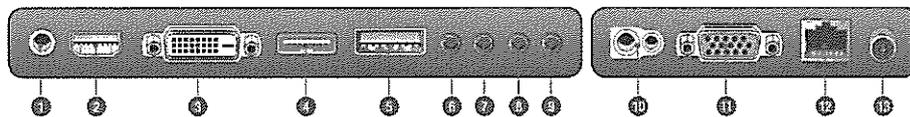


## KEY SPECIFICATIONS For complete product specifications, visit [samsung.com/prodisplay](http://samsung.com/prodisplay)

Display	Model Number	DB32D	DB40D	DB48D	DB55D
Screen Size		32"	40"	48"	55"
Panel Technology		60Hz Slim D-LED BLU	60Hz Slim D-LED BLU	60Hz Slim D-LED BLU	120Hz Slim D-LED BLU
Resolution		1920x1080 (16:9)	1920x1080 (16:9)	1920x1080 (16:9)	1920x1080 (16:9)
Brightness		350 nits	350 nits	350 nits	350 nits
Contrast Ratio		5000:1	5000:1	5000:1	5000:1
Orientation		Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait
Response Time (60-40-6)		8ms	8ms	8ms	8ms
Connectivity	Input	Video: VGA (D-Sub 15 Pin), DVI-D, Component/Composite, HDMI, Audio: Stereo Mini Jack	Video: VGA (D-Sub 15 Pin), DVI-D, Component/Composite, HDMI, Audio: Stereo Mini Jack	Video: VGA (D-Sub 15 Pin), DVI-D, Component/Composite, HDMI, Audio: Stereo Mini Jack	Video: VGA (D-Sub 15 Pin), DVI-D, Component/Composite, HDMI, Audio: Stereo Mini Jack
	Output	Audio: Stereo Min Jack			
	External Control	RS232C (In/Out) thru Stereo Jack, RJ45			
	External Sensor	IR, Ambient Light	IR, Ambient Light	IR, Ambient Light	IR, Ambient Light
Power	Power Supply	AC 100 - 240 V, (+/- 10%), 50/60 Hz	AC 100 - 240 V, (+/- 10%), 50/60 Hz	AC 100 - 240 V, (+/- 10%), 50/60 Hz	AC 100 - 240 V, (+/- 10%), 50/60 Hz
	Power Consumption (Typical/Max)	45W / 77W	60W / 121W	65W / 132W	80W / 170W
	Power Consumption (Standby)	< 0.5W	< 0.5W	< 0.5W	< 0.5W
Environmental Conditions	Operating Temperature	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C
	Operating Humidity	10% - 80%	10% - 80%	10% - 80%	10% - 80%
Features	Special Hardware	Slim & Light LED with Built-in Magentic Player, S2 Super Clear Coating, Temperature Sensor, Pivot Display, Button Lock, Clock Battery (80hrs Clock Keeping), Built-in Speaker, SD Card Slot	Slim & Light LED with Built-in Magentic Player, S2 Super Clear Coating, Temperature Sensor, Pivot Display, Button Lock, Clock Battery (80hrs Clock Keeping), Built-in Speaker, SD Card Slot	Slim & Light LED with Built-in Magentic Player, S2 Super Clear Coating, Temperature Sensor, Pivot Display, Button Lock, Clock Battery (80hrs Clock Keeping), Built-in Speaker, SD Card Slot	Slim & Light LED with Built-in Magentic Player, S2 Super Clear Coating, Temperature Sensor, Pivot Display, Button Lock, Clock Battery (80hrs Clock Keeping), Built-in Speaker, SD Card Slot
	Special Software	Magic Cone to USB, Auto Source Switching & Recovery, RS232C/RJ45, MDC, Plug and Play (DDC2B), PP/PEP, Image Rotation, Smart F/W update, Built-in Magentic Player S2, Firmware Update by Network, LFD New Home Screen, Predefined Template for Vertical Usage, Multichannel, Mobile Control, Event Schedule, Backup Player, PC-less Touch	Magic Cone to USB, Auto Source Switching & Recovery, RS232C/RJ45, MDC, Plug and Play (DDC2B), PP/PEP, Image Rotation, Smart F/W update, Built-in Magentic Player S2, Firmware Update by Network, LFD New Home Screen, Predefined Template for Vertical Usage, Multichannel, Mobile Control, Event Schedule, Backup Player, PC-less Touch	Magic Cone to USB, Auto Source Switching & Recovery, RS232C/RJ45, MDC, Plug and Play (DDC2B), PP/PEP, Image Rotation, Smart F/W update, Built-in Magentic Player S2, Firmware Update by Network, LFD New Home Screen, Predefined Template for Vertical Usage, Multichannel, Mobile Control, Event Schedule, Backup Player, PC-less Touch	Magic Cone to USB, Auto Source Switching & Recovery, RS232C/RJ45, MDC, Plug and Play (DDC2B), PP/PEP, Image Rotation, Smart F/W update, Built-in Magentic Player S2, Firmware Update by Network, LFD New Home Screen, Predefined Template for Vertical Usage, Multichannel, Mobile Control, Event Schedule, Backup Player, PC-less Touch
	Tuner	Yes	Yes	Yes	Yes
	SMART Signage Platform Compliant	Yes	Yes	Yes	Yes
	Internal Media Player	Cortex A9 1GHz Quad Core, 1.5GB DDR3, 4GB PDM, USB 2.0, Linux OS	Cortex A9 1GHz Quad Core, 1.5GB DDR3, 4GB PDM, USB 2.0, Linux OS	Cortex A9 1GHz Quad Core, 1.5GB DDR3, 4GB PDM, USB 2.0, Linux OS	Cortex A9 1GHz Quad Core, 1.5GB DDR3, 4GB PDM, USB 2.0, Linux OS
	VESA Standard Wall Mount Interface	200 x 200mm	200 x 200mm	400 x 400mm	400 x 400mm
Dimensions	Product Dimensions (w/ bezel stand)	28.4" x 16.5" x 2.0"	35.7" x 20.7" x 2.0"	42.3" x 24.4" x 2.0"	46.4" x 27.8" x 2.0"
	Packaging Dimensions	31.5" x 18.5" x 4.6"	39.4" x 23.0" x 6.0"	45.7" x 28.1" x 5.8"	53.1" x 31.9" x 5.9"
	Bezel Width	10.5 (AFL), 15.0 (R/B)	9.5 (AFL), 15.0 (R/B)	9.5 (AFL), 15.0 (R/B)	9.5 (AFL), 15.0 (R/B)
Weight	Product Weight	19.5 lbs	16.1 lbs	24 lbs	33.5 lbs
	Shipping Weight	12.8 lbs	19.6 lbs	39 lbs	42.5 lbs
Service	Standard Warranty	3 Years On Site (Parts / Labor / Backlight)	3 Years On Site (Parts / Labor / Backlight)	3 Years On Site (Parts / Labor / Backlight)	3 Years On Site (Parts / Labor / Backlight)
Accessories	Included	Quick Setup Guide, Warranty Card, D-Sub cable, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Warranty Card, D-Sub cable, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Warranty Card, D-Sub cable, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Warranty Card, D-Sub cable, Power Cord, Remote Controller, Batteries
	Optional Mount	WMN4070SD, WMN250VD	WMN4070SD, WMN250VD	WMN4070SD, WMN250VD	WMN4070SD, WMN250VD
	Optional Stand	STN-L2340C	STN-L2340C	STN-L4655C	STN-L4655C
	Optional Media Player	SBB-C, SBB-CD7, SBB-CD7	SBB-C, SBB-CD7, SBB-CD7	SBB-C, SBB-CD7, SBB-CD7	SBB-C, SBB-CD7, SBB-CD7
	Optional Touch Overlay	CY-TD32	CY-TD40	CY-TD48	CY-TD55
	Optional Bezel Trim Kit	TED	TED	TED	TED
Green Management	Emission Standard	FMC	FMC	FMC	FMC
	ENERGY STAR® 6.0 Compliant	Yes	Yes	Yes	Yes
	RoHS Compliant	Yes	Yes	Yes	Yes
	Packaging Recyclability	Packing Material's Recyclable	Packing Material's Recyclable	Packing Material's Recyclable	Packing Material's Recyclable

## CONNECTIVITY

1. AV In
2. HDMI In
3. DVI In
4. USB
5. SD Card Slot
6. Audio Out
7. Audio In
8. RS232C Out
9. RS232C In
10. IR/Ambient Sensor In
11. VGA In
12. RJ45 In
13. Antenna In



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For complete product information and accessories, visit [samsung.com/business](http://samsung.com/business) or [samsung.com/prodisplay](http://samsung.com/prodisplay)

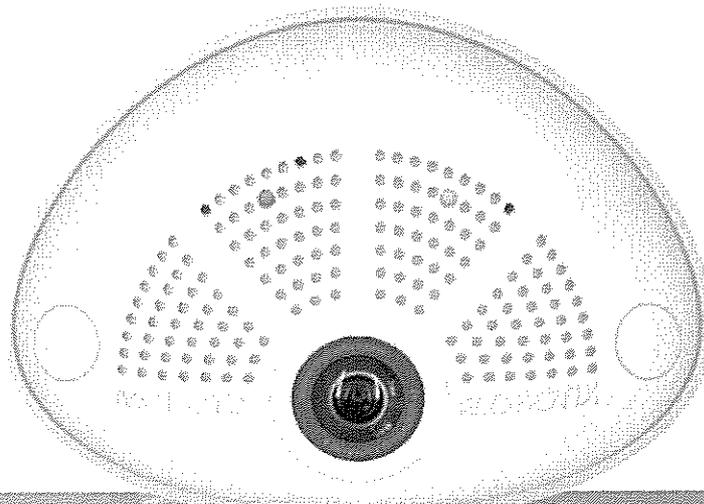
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Samsung Electronics has been named 2013 ENERGY STAR Partner of the Year in the product manufacturing category by the U.S. Environmental Protection Agency (EPA).



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## MOBOTIX i25 6MP Indoor Camera



*Wall-mounted i25 captures 180° field of view – no blind spots.*

### Perfect Wall Mount. Compact and Discrete.

The i25 is a 6MP hemispheric camera and is perfectly suited to be wall mounted with a tilt angle of 15 degree to achieve the best panoramic overview of a room without any blind spots. One i25 captures an entire room, easily replacing four standard CCTV cameras. The newly-designed wall mount form factor fits into every environment.

**Technical specifications subject to change without notice.** For more information on the i25 and on the entire range of MOBOTIX products, such as prices, manuals, video management software for computers and iOS devices, etc., please go to [www.mobotix.com](http://www.mobotix.com) > Products. Or contact us by phone (+49 06302 9816-103) or email ([sales@mobotix.com](mailto:sales@mobotix.com)).



# i25 – Technical Specifications



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**MOBOTIX**



Lens tilted down 15 deg

## Perfect Fit

The i25 can be wall mounted onto any surface. The small form factor matches perfectly with any environment. For fast installations, simply use the optional cavity installation set. A surface mount kit for concrete walls, for example, is available as well.



## Captures An Entire Room

The wall-mountable i25 captures an entire room with stunning wall-to-wall view, without any blind spots. Virtual PTZ on the live and recorded images is performed by the camera.



## HD Audio Package (optional)

All 6MP indoor models are available upon request with an integrated HD audio package (microphone and speaker in the camera housing). In addition to video recording with sound, the audio functionality can also be used for making announcements in sales or exhibition rooms, or for automatically playing an alarm signal when the camera-integrated sensor is triggered to scare off undesired visitors.

### Technical Data

<b>Lens Options</b>	B016, B036 (L10, L20)	<b>Min. Light Sensitivity</b>	Day Sensor: 0.1 lux at 1/60 sec Night Sensor: 0.02 lux at 1/60 sec
<b>Image Sensors</b>	1/1.8" CMOS (6MP) Day (Color) or Night (B&W)	<b>Sensor Resolution</b>	6MP: 3072x2048 pixels (Color/B&W)
<b>Max. Frame Rate (MxPEG)</b>	MEGA/HD: 30 fps, QXGA: 15 fps, 6MP: 8 fps	<b>Compression</b>	MxPEG, M-JPEG, JPEG, H.264 (SIP video only)
<b>DVR Recording</b>	Internal: microSD Card External: PC/NAS (to 4 TB)	<b>Audio (optional)</b>	VoIP, sound recording using audio package
<b>Operating Conditions</b>	IP30, 0 to +40 °C	<b>Internal Sensors</b>	Temperature, illumination, shock detector
<b>Image Processing</b>	MxActivitySensor, VMD, image correction, backlight, MxAnalytics	<b>Software (free of charge)</b>	MxManagementCenter, MOBOTIX App



# i25 – Technical Specifications



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i25 Indoor Camera With 6MP Moonlight Sensor: Technical Data	
Model versions	Fisheye lens (day/night)* • ultra-wide angle lens (day/night)* * optional with integrated audio package
Operating conditions	Ambient temperature 0 °C to 40 °C (32 °F to 104 °F), protection class IP30 (protected from foreign bodies with diameters 2.5 mm or larger, non-waterproof)
Intended use	Indoors • For wall installation only with 15° tilt • Not for use in areas at risk of explosions
Dimensions (height x width x depth):	107 x 145 x 45 mm
Weight (camera without Ethernet cable)	Approx. 200 g
Image sensor	1/1.8" CMOS sensor, 6MP (3072 x 2048), progressive scan
Minimum light sensitivity	Color sensor: 0.1 lux at 1/60 sec; 0.005 lux at 1 sec Black/white sensor: 0.02 lux at 1/60 sec; 0.001 lux at 1 sec
Maximum image size	6MP (3072 x 2048 pixels)
Maximum frame rates MxPEG (fps)	30@HD (1280 x 720), 30@MEGA, 15@QXGA, 10@5MP, 8@6MP
Maximum frame rates MJPEG (fps)	15@HD (1280 x 720), 12@MEGA, 6@QXGA, 4@5MP, 4@6MP
Controls	Two buttons, two status LEDs
Audio	i25 version with audio package (incl. microphone and speaker) or via ExtIO
Image processing	MxLEO, backlight compensation, automatic white balance, image distortion correction, panorama correction
Image formats	Freely configurable format 4:3/8:3/16:9 • User-defined formats (image cropping, e.g., 5MP, QXGA, full HD, MEGA)
Multi-streaming	Yes
PTZ	Digital pan/tilt/zoom, continuous 8x zoom
Intelligent video analysis	MxActivitySensor, video motion analysis, MxAnalytics (Heat maps and counting corridor reports)
DVR	Via integrated microSD card • Externally on USB device • Externally on NAS (max. of 4 TB) • Separate live image feed and full image recording • MxFFS with archiving function • Pre- and post-alarm images • Automatic DVR surveillance including error notification
Alarm/event management	MxActivitySensor • Video motion analysis • Temperature sensor • Shock Detector • Illumination sensor • Further sensors/IO via additional devices • Alarm notification via e-mail, FTP, VoIP
Video telephone	SIP client; intercom is possible via speaker of MX-ExtIO
Security	User/group management, SSL connection, IP address filter, IEEE 802.1x, intrusion detection, digital image signature, tamper detection
Protocols	IPv4, IPv6, HTTP, HTTPS, FTP, RTP, UDP, TCP, SNMP, SMTP, DHCP (client or server), NTP (client or server)
Interfaces	Ethernet (MxRJ45), MiniUSB • With optional MX-Bus-IO-Module two additional signal outputs
Power supply	PoE (IEEE 802.3af, class 2), typical power consumption of 4 W



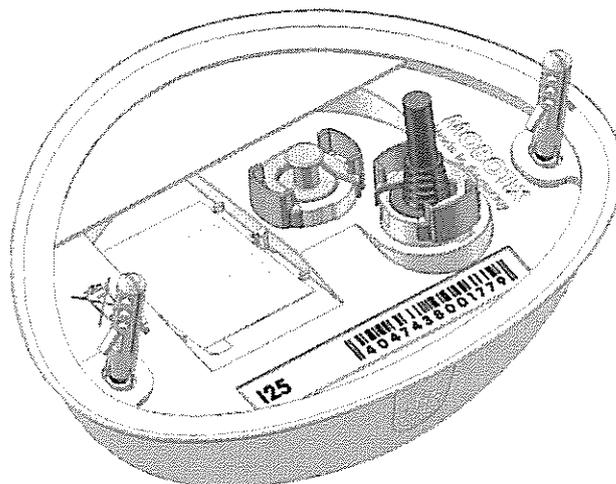
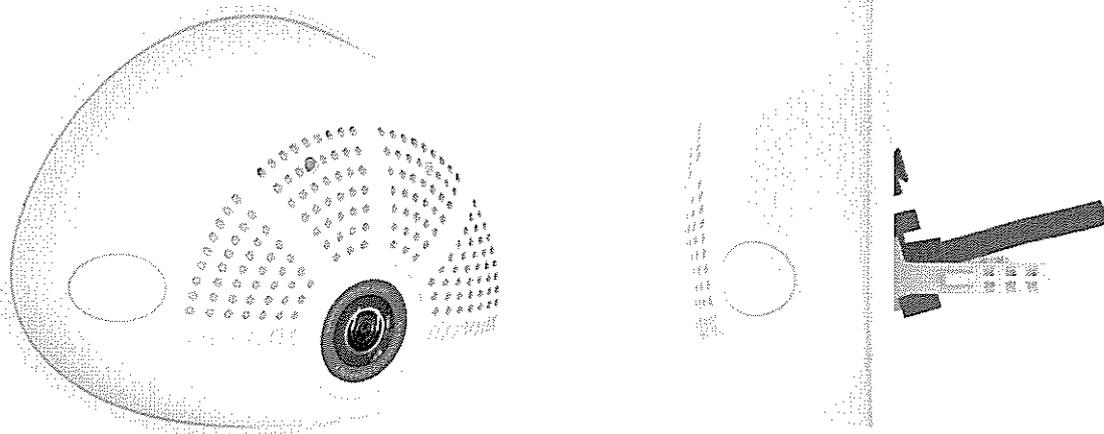
# i25 – Technical Specifications



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**MOBOTIX**

i25 Indoor Camera With 6MP Moonlight Sensor: Technical Data	
Certifications	<b>EMV:</b> EN 55022:2010 • EN 55024:2010 • EN 61000-6-1:2007 • EN 61000-6-2:2005) • EN 61000-6-3:2007+A1:2011 • EN 61000-6-4:2007+A1:2011 <b>Further certifications:</b> AS/ NZS CISPR22:2009+A1:2010 • CFR47 FCC part15B) • EN 55121-4:2006 • IEC 60950-1 / EN 60950-1 (NRTL)
(Integrated) software functions	Digital zoom • Programmable exposure windows • Snapshot recording • Full feature recording (MxFFS archive, continuous recording, full image recording including sound) • Time and event control • Time tables including holidays • Web functions • Logo generator • Flexible event logic • Master/slave arming • Multiple time-controlled privacy zones • Remote alarm notification • Programming interface/HTTP API
MOBOTIX Video Management Software (VMS) free of charge	MxManagementCenter MxMC, MxControlCenter MxCC, MxEasy, MOBOTIX App
Accessories	<ul style="list-style-type: none"> <li>- MX-Bus-IO-Module</li> <li>- i25 in-wall installation set with cavity wall socket and stainless steel mounting plate</li> <li>- i25 on-wall mounting set</li> <li>- MX-Bus-IO-Module with two signal inputs/two signal outputs</li> <li>- MX-ExtIO (for optional audio)</li> </ul>





# i25 – Technical Specifications



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Camera Variants	i25 Day	i25 Night
<b>Lenses, Sensors</b>		
Fisheye Lens MX-B016 (Hemispheric, 180° x 180°)	<b>MX-i25-D016</b>	<b>MX-i25-N016</b>
Ultra Wide Lens MX-B036 (103° x 77°)	<b>MX-i25-D036</b>	<b>MX-i25-N036</b>
Super Wide Lens MX-B041 (90° x 67°)	-	-
Wide Lens MX-B061 (60° x 45°)	-	-
Standard Lens MX-B079 (45° x 34°)	-	-
Tele Lens MX-B119 (31° x 23°)	-	-
Distant Tele Lens MX-B237 (15° x 11°)	-	-
Super Tele Lens MX-B500 (8° x 6°)	-	-
CS-Vario Lens MX-B045-100-CS (39°-89° x 29°-65°)	-	-
Camera Module (body), lens can be ordered separately	-	-
Image sensor with individual exposure zones	Color	B/W
Sensor sensitivity in lux at 1/60 s /1 s	0,1/0,005	0,02/0,001
Image sensor resolution (color or B/W sensor)	6MP (3072 x 2048)	6MP (3072 x 2048)
<b>Hardware Functions</b>		
Protection class	IP20	IP20
Temperature range 0 to 40°C/32 to 104°F	•	•
Temporary internal DVR	64 MB	64 MB
Internal DVR, ex works	4 GB (microSD)	4 GB (microSD)
Microphone/speaker	optional (with audio package)	optional (with audio package)
Passive infrared sensor (PIR)	-	-
Integrated temperature sensor	•	•
Shock detector	•	•
Power consumption (typical)	4 watts	4 watts
Variable PoE class (factory default: 3)	2 or 3	2 or 3
<b>Image Formats, Frame Rates, Image Storage</b>		
Maximum image format (per sensor)	6MP (3072 x 2048)	6MP (3072 x 2048)
Maximum frame rate (MxPEG, max. resolution)	8 fps (6MP)	8 fps (6MP)
CIF images with 4 GB MicroSD DVR	250,000	250,000
VGA images with 4 GB MicroSD DVR	125,000	125,000
HD images with 4 GB MicroSD DVR	40,000	40,000
QXGA images with 4 GB MicroSD DVR	20,000	20,000

- available ex works
- not available



# i25 – Technical Specifications

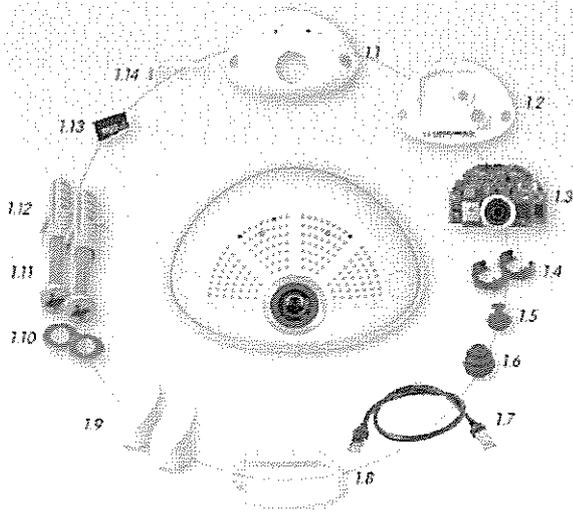


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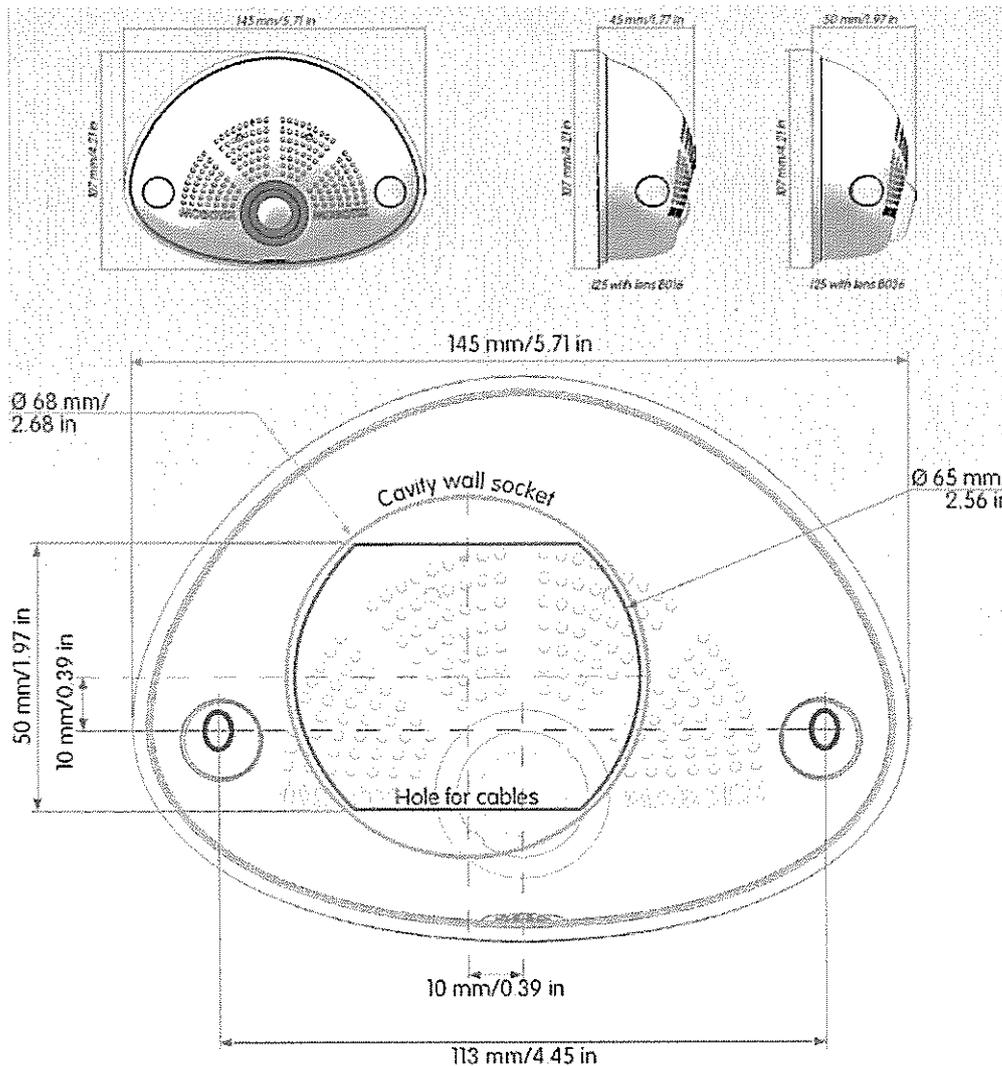
Camera Variants	i25 Day	i25 Night
<b>General Functions</b>		
Digital zoom (continuous) with panning	•	•
Codecs: Motion-JPEG/MxPEG/H.264 for SIP	•/•/•	•/•/•
Programmable exposure zones	•	•
Snapshot recording (pre/post-alarm images)	50	50
Terabyte ring buffer storage (internal/network)	•	•
Continuous recording with sound (0.2 to 30 fps)	•	•
Event recording with sound	•	•
Time and event control/flexible event logic	•/•	•/•
Weekly schedules/holidays	•	•
Web functionality (FTP, email)	•	•
Playback/QuadView and MultiView	•/•	•/•
Bidirectional sound in browser (with audio package)	•	•
Logo generator, animated	•	•
Master/Slave arming	•	•
Privacy zones (time-controlled)	•	•
Customized voice messages (with audio package)	•	•
VoIP telephony (audio/video, alert – (with audio package)	•	•
Remote alarm notification (network message)	•	•
Signal inputs/outputs and MxBus via	MX-Bus-IO-Module	MX-Bus-IO-Module
Programming interface (HTTP API)	•	•
Security Features (HTTPS/SLL, IP-based access control, IEEE 802.1X network authentication)	•	•
<b>Video Analysis</b>		
Video Motion	•	•
MxAnalytics	•	•
MxActivitySensor (incl. behavioral detection)	•	•
<b>Video Management Software</b>		
MxManagementCenter/MxControlCenter/MxEasy	•/•/•	•/•/•
MOBOTIX App (iOS)	•	•

# ☰ i25 – Technical Specifications

Security-Vision-Systems **MOBOTIX**



Item	Count	Part Name
1.1	1	Housing installed
1.2	1	Back cover (installed)
1.3	1	Main board with lens MX-B016 or MX-B036 (installed)
1.4	2	Bayonet catch, blue (installed)
1.5	1	USB plug, blue (installed)
1.6	1	Ethernet plug, blue (installed)
1.7	1	Ethernet patch cable, 50 cm/19.7 in, black
1.8	1	Wall socket
1.9	2	Screw plug, white
1.10	2	Washer Ø 4.3 mm, plainless steel
1.11	2	Wood screw 4x40 mm, stainless steel
1.12	2	Screw anchor S6
1.13	1	MicroSD card pre-installed (SDHC installed, SDXC supported)
1.14	1	Allen wrench 2.5 mm



(Excerpts from the technical documentation [www.mobotix.com](http://www.mobotix.com) > Support > Manuals)



# i25 – Technical Specifications

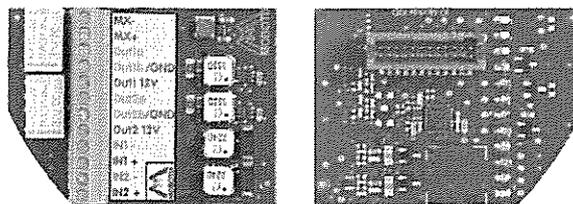


Security-Vision-Systems **MOBOTIX**

## MX-Bus-IO-Module For p25/i25/c25

### Connecting And Switching Of External Devices Via MOBOTIX Indoor Cameras p25, i25 and c25

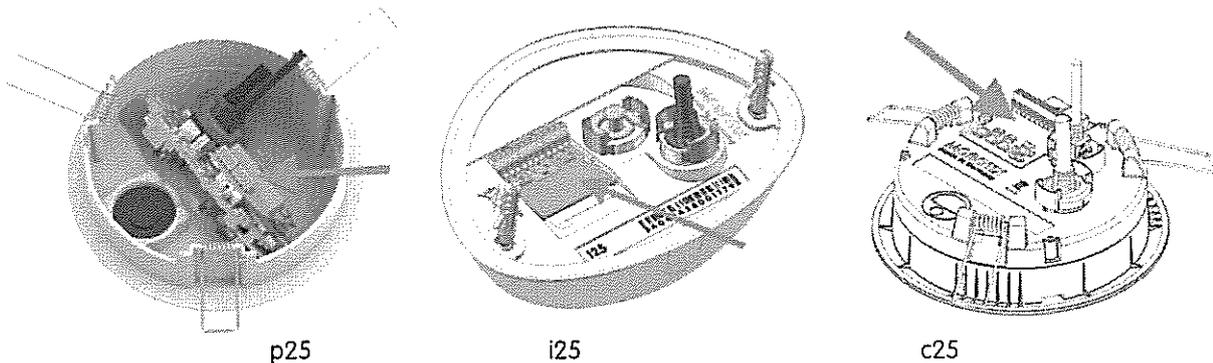
The MX-Bus-IO-Module is a practical, optional extension board for all MOBOTIX Indoor Cameras p25, i25 and c25, which is simply attached to the back of the camera and tightened (for i25 and c25) or mounted on the camera board (only with p25). The module expands every camera to include two extra inputs and two 12V outputs and enables access to the two-wire MxBus. The outputs can be directly connected to a relay and thus higher voltages and loads, e.g., lamps or motors. MxBus is an encoded two-wire cable developed by MOBOTIX for transferring data and current. Using this solution, users can simply and securely power and control various MOBOTIX IO devices over distances of more than 100 m.



Left: Front of MX-Bus-IO-Module with green terminal connector for connecting external devices: The 12V-powered ports Out1 and Out2 serve, for instance, to connect relays (e.g., Eltako ER12-002-UC).

Right: Back with black camera socket (plug onto back/board of camera).

### Installation Position Of MX-Bus-IO-Module With Indoor Cameras (Red Arrow):



Terminal Connectors				
MX-	MxBus connections	MxBus		
MX+				
Out1 A	Output 1 A	Relay pot.-free	-	Out-puts
Out1 B /GND	Output 1 B/GND		Output 1 12 V self-powered	
Out1 12V	Output 1 12 V	-		
Out2 A	Output 2 A	Relay pot.-free	-	
Out2 B/GND	Output 2 B/GND		Output 2 12 V self-powered	
Out2 12V	Output 2 12 V	-		
IN1 -	Output 1 -	Inputs		
IN1 +	Output 1 +			
IN2 -	Output 2 -			
IN2 +	Output 2 +			



# i25 – Technical Specifications



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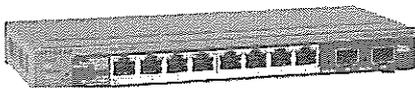
MX-Bus-IO-Module: Technical Data	
Model versions	MX-OPT-IO3-INT
Ambient temperature range	0°C to 40°C (32°F to 104°F)
IP protection class (DIN EN 60529)	None
Intended use	<ul style="list-style-type: none"><li>• Not for use in areas at risk of explosions</li><li>• Only combined with MOBOTIX cameras p25, i25 and c25</li></ul>
Dimensions (L x W x D)	43 x 32 x 18 mm
Weight (without packaging)	10 g
Connectors for MxBus devices	1 (1 x 2 terminals)
Inputs	2 inputs (galvanically isolated; 0 V to 48 V DC)
Outputs	<b>Option 1:</b> 2 outputs (floating); max. capacity per contact: 30 W or 1 A or 48 V AC/DC <b>Option 2:</b> 2 outputs (12 V DC, max. 50 mA per output)
Configuration of inputs/outputs	Via camera software (available in web browser)
Max. power output at 12 V	1.2 W
Terminal specification	AWG26 to AWG21 (wire thicknesses supported at the terminal connectors)
LEDs	No
MxBus emergency operation	No
Power consumption	Typical 1 W
Housing	PBT GF30
Certifications	None, as only used as camera plug-in module
Specific information	<ul style="list-style-type: none"><li>• Note the MxBus power supply: Max. one additional module (e.g., GPS-Box), otherwise expand with BPA-Box (available soon)</li><li>• Camera firmware required: 4.3.4.50 and higher</li></ul>
MTBF	> 80,000 h



## ProSAFE® 8-port Gigabit PoE Smart Managed Switch with 2 Gigabit Fiber SFP

Data Sheet

GS110TP



### Small, Yet Powerful Gigabit Smart Switch Packed with Advanced Features

Joining the NETGEAR ProSAFE® family of Smart Managed Switches with high performance and cost efficiency, this 10-port Gigabit Smart Managed Switch is packed with powerful L2 features capable of enhancing any type of business network. The GS110TP is designed for customers who need a low port density solution with the combination of Gigabit speed and PoE capability. The GS110TP comes with 8 dedicated 10/100/1000 Mbps copper ports to connect to your end devices and two additional Gigabit Fiber ports for uplinks with greater distance. With PoE capability on all 8 copper ports, the GS110TP can automatically detect PoE on the end devices and dynamically manage power assignments and priority. It is capable of delivering up to 15.4W of power to devices such as wireless access points, IP phones and IP cameras, providing flexibility and ease of deployment to your network.

The GS110TP comes with a comprehensive set of features, such as enhanced VLAN and QoS, access control lists (ACL), 802.1x port authentication (MDS), rate limiting and IGMP snooping and many more, to provide businesses with networks that are geared for growth while ensuring performance and reliability. Both an intuitive Web-browser GUI interface and Smart Control Center (Windows PC required), offer simple Smart Managed Switch management, making it a snap to monitor switch performance, configure ports, even set up port trunks, VLANs, and traffic prioritization.

With the fanless design and compact form factor, the GS110TP offers quiet operation and is suitable for deployments in any type of environment, especially the ones which are sensitive to noise.

### PoE Power Management

GS110TP offers useful PoE power management features to help you better control and monitor your power resource. The PoE timer can help turn off the PoE ports during certain times of the day so that your network can be more secure as well as energy efficient. It can also set prioritization on power usage so that specified ports are always guaranteed to get the power first if total power required exceeds the total power budget. The power will be assigned to the PoE ports dynamically depending on the actual power need of the individual network devices so that you don't need to do any calculation. The PoE LED on the front panel will light up if the PoE usage is reaching the threshold, meaning that insufficient PoE resource is left for powering up additional ports.

### NETGEAR Green

Up to 70% power savings compared to the non-Green version

- Auto power-down mode saves energy when port is not in use
- Cable length detection reduces power usage when network cable is shorter than 10 meters

### Advanced Quality of Service (QoS)

Priority queuing ensures high-priority traffic gets delivered efficiently, even during congestion from high-traffic bursts. Companies implementing network telephony or video conferencing, for example, need to be able to prioritize such voice and video traffic and other real-time applications over less latency-sensitive traffic to ensure reliability and quality. The ability to prioritize traffic ensures quality of latency-sensitive services and applications despite increasing traffic loads. The GS110TP provides an extensive set of QoS features:

- 802.1p-based prioritization
- Layer 3-based prioritization
- Rate limiting



# NETGEAR®

## ProSAFE® 8-port Gigabit PoE Smart Managed Switch with 2 Gigabit Fiber SFP

Data Sheet

GS110TP

### Advanced Security

The GS110TP provides more robust security. This includes:

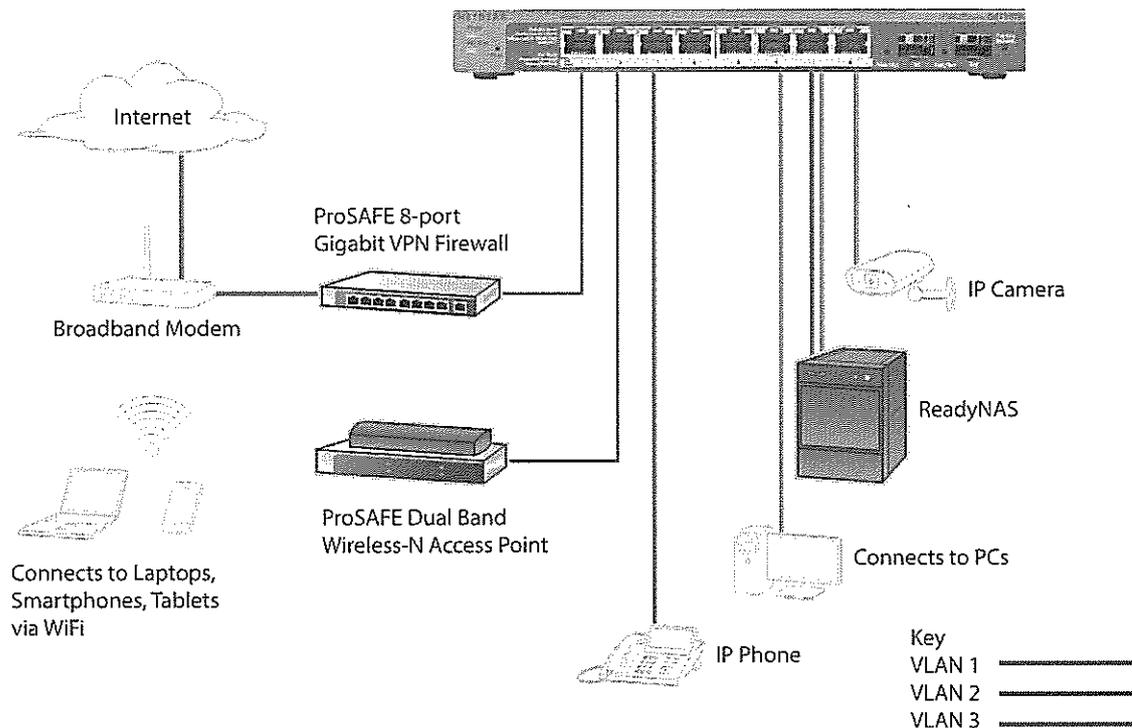
- 802.1x for authentication (MD5)
- ACL filtering to permit or deny traffic based on MAC or IP addresses

### Usability Enhancements

The GS110TP is a powerful switch, yet very easy to manage. It comes with many usability enhancements to help customers fully utilize the features for a more optimized and secure network. For example, the Auto Voice VLAN and Auto Video features will assist customers to easily set up VoIP or IP surveillance networks with a couple of simple steps. You don't need to be an IT professional to set up VoIP or IP surveillance. Security is critical for business networks. However, not everyone knows how to set up a secure network. The ACL Wizards on the GS110TP will guide even naïve users through the setup of access control and address filtering.

### Centralized Management via the New Smart Control Center

With multiple switches in the network, managing configurations on each switch and upgrading firmware becomes a big challenge. The NETGEAR Smart Control Center that comes with the GS110TP and many other Smart Managed switch models can help make this task much easier and simpler. It can perform discovery of the switches on your network, push configuration and firmware updates to multiple selected switches at once, and can even schedule when the tasks should be performed.



### Technical Specifications

#### Network Protocol and Standards Compatibility

- IEEE 802.3i 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-X
- IEEE 802.3x full-duplex flow control
- IEEE 802.3af (DTE Power Via MDI)

#### Power Supply

- Power consumption: 59.3W maximum

#### Network Ports

- Eight (8) 10/100/1000Mbps autosensing + 2 Gigabit SFP uplinks

#### Physical Specifications

- Dimensions: (W x D x H): 236 x 101.6 x 27mm (9.3 x 4 x 1.07in)
- Weight: 0.7kg (1.55lb)

#### Performance Specifications

- Forwarding modes: Store-and-forward
- Bandwidth: 20Gbps full duplex
- Network latency: Less than 4 µs for 64-byte frames in store-and-forward mode for 1000Mbps to 1000Mbps transmission
- Buffer memory: 512KB embedded memory per unit
- Address database size: 4k media access control (MAC) addresses per system
- Mean time between failures (MTBF): 157,004 hours (~18 years)
- Acoustic noise: 0 dB

#### Electromagnetic Emissions

- CE mark, commercial
- FCC Part 15 Class B
- VCCI Class B
- C-Tick

#### Environmental Specifications

- Operating temperature: 0° to 104° F (0° to 40° C)
- Storage temperature: -4° to 158°F (-20° to 70°C)
- Operating humidity: 90% maximum relative humidity, non-condensing
- Storage humidity: 95% maximum relative humidity, non-condensing
- Operating altitude: 10,000ft (3,000m) maximum
- Storage altitude: 10,000ft (3,000m) maximum

#### Status LEDs

- Per RJ45 port: Link /activity, speed, PoE status
- Per SFP port: Link/speed
- Per device: Power, PoE Max.

#### Power Adapter

- 48V, 1.25A external power adapter, localized to country of sale

#### Electromagnetic Immunity

- EN 55024

#### Safety

- CE mark, commercial
- cUL IEC 950/EN 60950
- CB

#### Administrative Switch Management

- IEEE 802.1Q static VLAN (64 groups, static)
- Protected ports
- IEEE 802.1p Class of Service (CoS)
- Port-based QoS
- DSCP-based QoS
- DiffServ
- IEEE 802.3ad Link Aggregation (manual or LACP)
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- IEEE 802.1s Multiple Spanning Trees Protocol (MSTP)

- IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
- LLDP-MED
- SNMP v1, v2c, v3
- RFC 1213 MIB II
- RFC 1643 Ethernet Interface MIB
- RFC 1493 Bridge MIB
- RMON group 1, 2, 3, 9
- Auto voice VLAN
- DHCP Filtering
- Auto denial-of-service (DoS) protection
- HTTP and HTTPS
- Ping and traceroute
- Green features: Power saving by cable length (<10 m)
- Power saving when link down
- RFC 2131 DHCP client
- DHCP filtering
- IEEE 802.1x (MD5) with Guest VLAN
- Jumbo frame support
- Port-based security by locked MAC addresses
- MAC and IP-based ACL
- Storm control for broadcast, multicast and unknown unicast packets
- IGMP snooping v1/v2
- Port-based egress rate limiting
- SNMP
- Port mirroring support (many-to-one)
- Web-based configuration
- Configuration backup/restore
- Password access control
- TACACS+ and RADIUS support
- Syslog
- Firmware upgradeable
- PoE (46 Watts of power budget)



## ProSAFE® 8-port Gigabit PoE Smart Managed Switch with 2 Gigabit Fiber SFP

Data Sheet

GS110TP

### Technical Specifications (continued)

#### NETGEAR Warranty\*

- NETGEAR Lifetime Warranty
- Lifetime 24x7 Online Chat Technical Support
- 90 days (24/7) Live Phone Technical Support
- Lifetime Next Business Day (NBD) Hardware Replacement

#### ProSUPPORT OnCall 24x7, Category 1\*\* Service Packages

- PMB0311 (1 yr.)
- PMB0331 (3 yrs.)
- PMB0351 (5 yrs.)

#### Package Contents

- ProSAFE® 8-port Gigabit PoE Smart Managed Switch with 2 Gigabit Fiber SFP (GS110TP)
- AC adapter
- Rubber footpads
- Wall-mount kit
- Resource CD
- Installation guide

#### Ordering Information

- Australia & Japan: GS110TP-200AJS
- Europe General: GS110TP-200EUS
- North America: GS110TP-200NAS

\* This product comes with a limited warranty that is void only if purchased from a NETGEAR authorized reseller, and may be subject to product recall. The warranty covers media, fiber, and internal power supplies—not software or external power supplies; see <http://www.netgear.com/about/warranty> for details. Lifetime technical support includes live phone support for 90 days from purchase date and lifetime online chat support when purchased from a NETGEAR authorized reseller. This product was tested for quality and its components may be recycled. For indoor use only.

\*\* The NETGEAR OnCall 24x7 service provides unlimited phone and email technical support for your networking product. For ProSAFE products purchased prior to 06/2014, also includes next-business-day hardware replacement.

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## A Minimalistic Antenna with Great Performance

An excellent choice when a high detection range and a narrow footprint are required

Discreet and slim design that matches perfectly with the store interior

Metal detection available as an option

### Key Features

- Swedish design
- Anodized aluminium frames
- Optimal detection
- Swept system
- Gatenet compatible

### Options

- Metal detection
- Antenna protection



Novagate

 gateway™



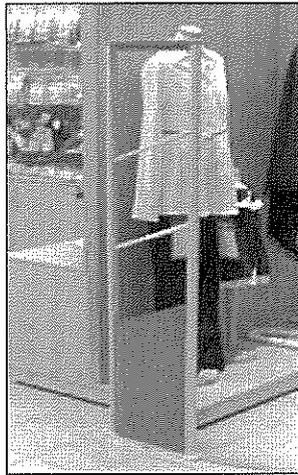
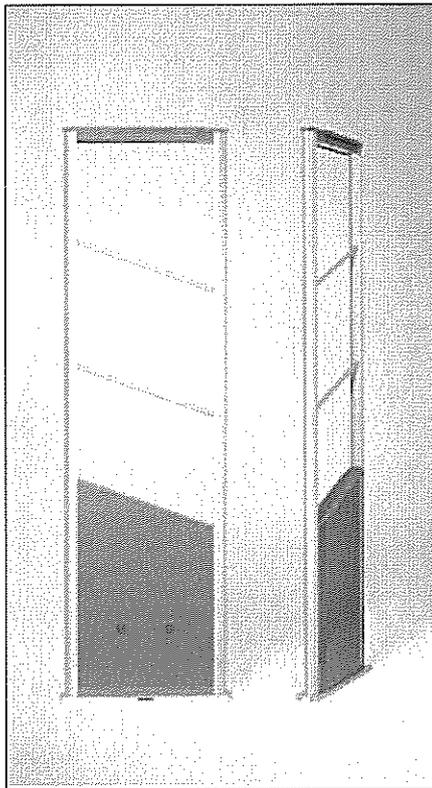
# Novagate

## High-Quality Hard Tags and Labels

Gateway offers a full range of high-quality hard tags and labels, specially designed for our systems. Find our complete range in the Gateway Consumables product brochure!

## Added Value with Gatenet Software

Gatenet software is an easy way to get even more out of your EAS system. It monitors your EAS systems to give you valuable input for your security work and allows remote services and adjustments. Find out more about Gatenet in the Gatenet concept brochure!



Discreet and slim design



Wide detection range

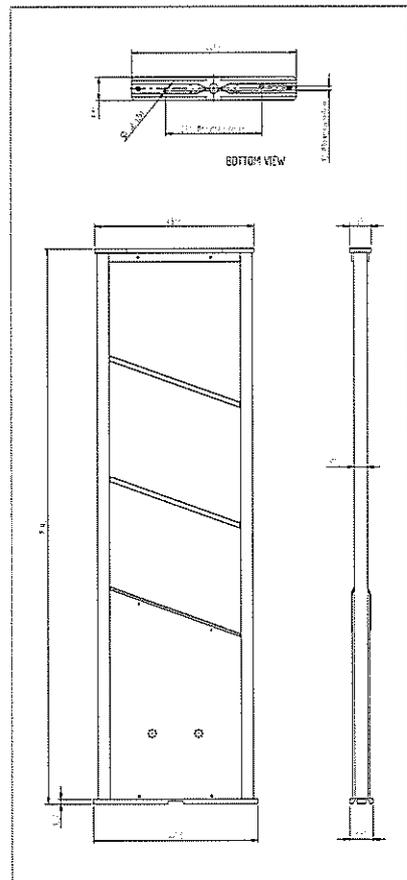
## Specifications

Art. no.	3078
Metal detection	3078-MDG
Width	446mm
Height	1515mm
Thickness	49mm
Thickness at base	64mm
Weight	18kg
Standard frequency	8.2MHz
Approvals	CE, FCC

## Detection Range<sup>1)</sup> Up to

Polar Tag RF	1.90m
Slim Tag RF	1.80m
Mini Square RF	2.00m
Galaxy Midi RF	2.10m
Paper Label (40x40mm)	1.80m

<sup>1)</sup> Tested with Gateway tags in different orientations. Effective rate of detection is influenced by the store environment.



Authorised Dealer:

GWGB.4040.R2



[www.gateway-security.com](http://www.gateway-security.com)

Gunnebo Gateway AB is a Swedish supplier of anti-theft systems for the retail sector worldwide. We are the only company to develop, manufacture and market solutions built on every existing form of Electronic Article Surveillance (EAS) technology.

