



## More Camera For Less. Guaranteed!

The M24M series from MOBOTIX offers extremely compact, cost-effective and exceptionally powerful allround cameras with the widest range of lenses, including panorama version. Fully equipped with IP66-certified housing and long-term internal storage on a MicroSD card!



**180°-Panorama with L11 lens**

### MOBOTIX HiRes video replaces up to 6 cameras ...

- Individual choice of lens: tele/wide-angle, day/night, CSVario and hemispheric (180°)
- Wide range of applications from 180°-panorama webcam to video security
- Fast, simple installation on wall, pole or ceiling
- Integrated DVR with HiRes video recording without network load
- Robust, low-maintenance and weatherproof from -30 to +60 °C (-22 to +140 °F), (IP66)
- Digital continuous zoom, pan and tilt
- Integrated microphone and speaker with improved sound quality

**... starting at £578\* incl. video management software**

© MOBOTIX AG • MSRP (Manufacturer's suggested retail prices) • Prices ex-works Langmeil, Germany (EXW) • Excluding VAT and any other handling charges • Calculated at FXR 1EUR = 0,9087GBP, 28.10.2009  
Information subject to change without notice!

#### HiRes Video Innovations

The German company MOBOTIX AG is known as the leading pioneer in network camera technology and its decentralized concept has made high-resolution video systems cost efficient.

**MOBOTIXAG • PegasusBusinessPark • CastleDonington, DE745TZ • Tel: +44(0)8448000657 • uk-sales@mobotix.com**

# Technical Specifications M24



The HiRes Video Company

**MOBOTIX**

## Technical Specifications M24 Allround

<b>Models</b>	IT, IT-Night, Sec, Sec-Night, Sec-CSVario, Sec-D11
<b>Lenses</b>	11 to 135 mm format, horizontal angle 180° to 15°
<b>Sensitivity</b>	Color: 1 lux (t=1/60 s), 0.05 lux (t=1/1 s) B/W: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s)
<b>Sensor</b>	1/2" CMOS, progressive scan
<b>Max. image resolution</b>	Color: 2048 x 1536 (3MEGA), Black/White: 1280 x 960 (Mega)
<b>Image format</b>	2048 x 1536, 1280 x 960, 1024 x 768, 800 x 600, 768 x 576 (D1), 704 x 576 (TV-PAL), 640 x 480, 384 x 288, 352 x 288, 320 x 240, 160 x 120; free image format selection (e.g. 1000 x 200 for skyline)
<b>Max frame rate (M-JPEG) (Live/Recording)</b>	VGA: 25 fps, TV-PAL: 18 fps, Mega: 8 fps, 3MEGA: 4 fps
<b>Video stream (MxPEG) (Live/Recording/Audio)</b>	VGA: 30 fps, TV-PAL: 30 fps, Mega: 30 fps, 3MEGA: 20 fps
<b>Image compression</b>	MxPEG, M-JPEG, JPEG, H.263 (only Video-VoIP)
<b>Internal DVR</b>	Slot for MicroSD card (up to 32 GB)
<b>External storage</b>	Directly on NAS and PC/Server without additional recording software
<b>Software (inclusive)</b>	Video management software MxEasy, Control room software MxControlCenter
<b>Image processing</b>	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)

<b>Virtual PTZ</b>	Digital Pan/Tilt/Zoom, continuous 8x zoom
<b>Alarm/Events</b>	Triggering of events by integrated multiple-window motion detection, external signal, temperature sensor, notification over email, FTP, IP telephony (VoIP, SIP), visual/acoustic alarm, pre- and post-alarm images
<b>Audio</b>	Integrated microphone and speaker, lip-synchronous audio, two-way speaker, audio recording
<b>Interfaces</b>	Ethernet 10/100, USB, MxBus
<b>Video phone</b>	VoIP, SIP, two-way speaker, remote control via DTMF signaling, event notification
<b>Security</b>	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
<b>Certificates</b>	EMC (EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)
<b>Power supply</b>	Power over Ethernet (IEEE 802.3af): PoE class variable depending on operating mode; power consumption: typ. 3 W; with PoE switch/injector
<b>Operating conditions</b>	IP66 (DIN EN 60529), -30 to +60 °C (-22 to +140 °F)
<b>Dimensions (incl. wall mount)</b>	WxDxL: 14 x 23 x 19 cm, Weight: ca. 750 g
<b>Standard delivery</b>	Weatherproof housing (reinforced composites - PBT), white, wall/ceiling mount, mounting parts, patch cable, manual, software, 4 GB MicroSD card

Technical information subject to change without notice.

## M24 Allround

## Available Accessories M24 Allround

<p><b>Standard Housing</b> MX-M24M-Sec-D22</p>  <ul style="list-style-type: none"> <li>Allround camera with individual choice of lens</li> <li>Incl. wall/ceiling mount</li> <li>Simple installation with concealed cabling</li> </ul>	<p><b>Pole Mount</b> MX-MH-SecureFlex-ESWS</p>  <ul style="list-style-type: none"> <li>3 mm stainless steel, white</li> <li>2 stainless steel straps for pole diameter 60-180 mm, incl. mounting parts</li> </ul>	<p><b>Glass Lens Cover</b> MX-M24M-OPT-LCSG</p>  <ul style="list-style-type: none"> <li>Lens protection for extreme weather conditions</li> <li>Scratch-proof glass</li> <li>For all lenses with M14 thread</li> </ul>	<p><b>PoE-Injector</b> MX-NPA-PoE-Set</p>  <ul style="list-style-type: none"> <li>Power supply from electrical power and battery (12-42 V)</li> <li>For direct PC connection without a switch thanks to integrated crossover function</li> </ul>	<p><b>Mx2wire Media Converter</b> MX-2wire-Set-PW</p>  <ul style="list-style-type: none"> <li>Ethernet with PoE using two-wire cable</li> <li>Suitable for coaxial-cables, bell wires, power cables and more</li> </ul>	<p><b>ExtIO Extension Module</b> MX-ExtIO</p>  <ul style="list-style-type: none"> <li>Microphone/Speaker</li> <li>PIR sensor for motion detection, temperature sensor</li> <li>Switch in-/outputs</li> </ul>
---	--	---	--	--	---

	L11 Fisheye 180°	L22 Super Wide Angle 90°	L32 Wide Angle 60°	L43 Wide Angle 45°	L65 Tele 31°	L135 Tele 15°	CSVario
<b>Lenses</b>							
	appr. 180° H x 160° V at 10m appr. endless x 110m	appr. 90° H x 67° V at 10m appr. 20.0 x 13.3m	appr. 60° H x 45° V at 10m appr. 11.5 x 8.2m	appr. 45° H x 34° V at 10m appr. 8.2 x 6.1m	appr. 31° H x 23° V at 10m appr. 5.5 x 4.0m	appr. 15° H x 11° V at 10m appr. 2.6 x 1.9m	appr. 73°-37° H x 158°-28° V at 10m appr. 14.8 - 6.7 x 11.1 - 5.0m

## HiRes Video Innovations

The German company MOBOTIX AG is known as the leading pioneer in network camera technology and its decentralized concept has made high-resolution video systems cost efficient.

**MOBOTIXAG • PegasusBusinessPark • CastleDonington, DE745TZ • Tel: +44(0)8448000657 • uk-sales@mobotix.com**