

1. Product Description

The M24 will be a new and more powerful product based on the new hardware (P3) platform. Target is to show higher framerates, faster PTZ features and an improved physical appearance.

Like the M22 models, there will be the same versions of M24: The M24 IT, the M24 SEC and the M24M-SEC CS Vario. There will be **NO M24M-SEC-R8/R16 model** anymore. We will deliver all M24-SEC models with pre-formatted **4GB micro SD card**. All versions will be delivered with the same lens and sensor combinations like the one of M22 models. With the new M24 model, there will be also a **hemispheric version**, M24M-SEC-D11, featuring the L11 lens. **There will be different delivery dates of standard M24 models and the M24 hemispheric version!**

2. Major new features of the M24

1. **FRAME RATES:** Higher frame rates up to double the speed of M22 models (see Q/D24). Megapixel image with frame rates of up to 30fps and 3.1 Megapixel image of up to 20fps.
2. **4GB micro-SD CARD:** All M24M-SEC models will be delivered with 4GB micro-SD card (internal DVR). Enough storage to hold ca. 50.000 panorama images or 10 hours of HiRes Video (4fps) including lipsynchronous Audio.
3. Newly improved integrated loudspeaker and microphone. Audio capabilities like echo cancellation could be further improved, due to the new integrated HiFi Codec. In the case of privacy requirements, microphone and audio recording can be switched off irreversibly by hardware.
4. Network, MiniUSB and MxBus can be connected on the backside through water tight plugs to support I/O extensions. Thanks to the new additional and improved housing, the M24 achieves improved robustness and water tightness according to IP66.
5. Despite higher power consumption of the new microprocessor, the total power consumption of M24 could be maintained at an extraordinary low level of 3 watt.
6. **SELECTABLE PoE:** Class 1 to 3 of PoE is now selectable through camera configuration. This will allow the user to adapt the power requirements based on the used extensions.

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3. Product Images M24



M24 mounted at ceiling



M24 mounted at ceiling



M24 mounted at wall



M24 Backside view with plugs

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M24M-SEC-VarioCS



M24 Hemispheric

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4. Order Information

4.1 Standard M24 models

Model: M24 IT
Partnumber: MX-M24M-IT-D22/N22
MSRP: 598 EUR, 798 USD, 578 GBP, 1075 CHF

Limited resolution to VGA. Including 4GB micro SD card. Available as Day or Night version. Supports all 5 lenses (L22, L32, L43, L65, L135). IT-version is indicated with the L22 lens as standard version.

Model: M24 SEC
Partnumber: MX-M24M-SEC-Dxx/Nxx
MSRP: 798 EUR, 998 USD, 738 GBP, 1298 CHF

3 megapixel sensor (2048 x 1536), full 8x zoom, full micro SD Card Support

Model: M24 SEC CS Vario
Partnumber: MX-M24M-SEC-(Night)-CSVario
MSRP: 998 EUR, 1398 USD, 938 GBP, 1648 CHF

M24 Sec model including 24/54mm, F1.6-2.3 lens with CS mount

Start of Delivery:

Partnumber	EMEA, Asia
MX-M24M-IT-Dxx/Nxx	7 th of December 2009
MX-M24M-SEC-Dxx/Nxx	7 th of November 2009

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4.2 M24 Hemispheric

Model: **M24 SEC Hemispheric**
Partnumber: MX-M24M-SEC-D11
MSRP: 858 EUR, 1258 USD, 798 GBP, 1398 CHF

3 megapixel sensor (2048 x 1536) with L11 lens, full hemispheric features, vPTZ, full 8x zoom, full micro SD Card Support.

Start of Delivery of hemispheric version:

Partnumber
MX-M24M-SEC-D11 JAN 2010

The precise delivery date will be announced later.
All M22 accessories are compatible with M24.

EAN Codes:

MX-M24M-IT-D22	4047438012379
MX-M24M-IT-Night-N22	4047438012423
MX-M24M-Sec-D11	4047438012478
MX-M24M-Sec-D22	4047438012485
MX-M24M-Sec-D32	4047438012492
MX-M24M-Sec-D43	4047438012508
MX-M24M-Sec-D65	4047438012515
MX-M24M-Sec-D135	4047438012522
MX-M24M-Sec-Night-N22	4047438012546
MX-M24M-Sec-Night-N32	4047438012553
MX-M24M-Sec-Night-N43	4047438012560
MX-M24M-Sec-Night-N65	4047438012577
MX-M24M-Sec-Night-N135	4047438012584
MX-M24M-Sec-CSVario	4047438012591
MX-M24M-Sec-Night-CSVario	4047438012607
MX-M24M-Sec	4047438012850
MX-M24M-Sec-Night	4047438012867

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5. Product Documentation

User manual in German is already available for download. User manual in English will be available for download on the **7th of December**. Other languages will follow shortly.

6. Product Training

There will be a Product Launch Session made available on the **2nd** of December at **13:00** CEST, offered by Jens Wirok. The Product Launch Session will be available until the 31st of January.

7. Target Markets and Applications

1. Transportation Security

Public Transportation like busses, trains, taxi, freight and forwarding companies (UPS, FedEs, etc.) fleet management (trucks, dispatchers, cargo, etc.), security transports (transports, armoured cars)

2. Entertainment, Sport&Leisure (catering, gastronomy)

Hotel buildings, clubs, bars, tourism, event facilities (concert halls, theaters, stadiums), theme parks, etc.

3. Retail

Chain stores, individual stores, department stores, discounter chains, gas station shops, convenience stores, banks, fast food chains, coffee shops, etc.

4. Education

Universities, public schools, private schools, campus facilities, training centres, etc.

5. Home Automation

SOHO (Small Office/HOMe) automation, access control, high-end housing and facility management, vocational or secondary/leisure property, etc.

6. Entrance Automation

Door/Entrance situations at private homes, small offices, public buildings, government or authority building and premises, etc.

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8. USPs (Unique Sales Propositions)

1. Improved Housing and water tightness IP66. All cables are inside
2. Improved Audio functionality, full duplex communication, bigger loudspeaker
3. PoE Class is selectable Class 1-3
4. High performance design allows frame rates in VGA, D1-PAL and Mega up to 25/30* frames per second
5. Digital zoom (up to 8x), continuous zooming and panning incl. image correction
6. Robust and maintenance free without any mechanically moving parts
7. Event-controlled, complete room recording directly in the camera
8. Alarm function, speaker and microphone integrated
9. PoE driven with typical power consumption of 3 Watts
10. Certified from -30 to +60 degree Celsius (-22°F to +140°F)

* depends on used image mode (fast, normal, high)

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