



The HiRes Video Company

### M22 M Outdoor Single Lens



- Exchangeable lens camera for indoor/outdoor use (IP65)
- 3MEGA-resolution (QXGA, 2048x1536 pixels)
- Exchangeable lenses from Super Wide-Angle (90 °) to tele (15°); optional with C-/CS-Vario
- Colour sensor 1 lux at 1/60 sec, 0.05 lux at 1 sec exposure time
- Microphone and speaker with full audio functionality (VoIP and SIP telephony with video)
- Universal wall/ceiling mount perfectly covers RJ45 outlets and conceals the cabling
- Internal DVR (up to 8 GB) possible, recording without network load

### M12D Outdoor Dual Lens



- Dual camera with brilliant image colour quality during the day and highest sensitivity at night thanks to two separate image sensors for colour and B/W, for indoor and outdoor (IP65)
- 3MEGA-resolution (QXGA, 2048 x 1536 pixels)
- B/W sensor (at night or IR lighting): 0.1 lux at 1/60 sec, 0.005 lux at 1 sec exposure time
- PIR sensor for motion detection in the dark
- Microphone and speaker with full audio functionality (VoIP and SIP telephony with video)
- Integrated switch functions (1 x signal input, 1 x signal output), RS232
- Internal DVR (16GB), recording without network load

### D22 M MonoDome



- FixDome camera for flexible mounting, for indoor and outdoor (IP65)
- Optional vandalism, On-Wall and In-Ceiling sets
- 3MEGA-resolution (QXGA, 2048 x 1536 pixels)
- Exchangeable lenses from Super Wide-Angle (90 °) to tele (15°)
- Colour sensor 1 lux at 1/60 sec, 0.05 lux at 1 sec exposure time
- Vandalism set consists of stainless steel ring (polished, matte, powder-coated) and reinforced dome
- On-Wall set features concealed cabling, space for expansion modules (batteries, UMTS, WiFi, etc.)
- Outdoor wall mount (IP65) with space for expansion modules
- Internal DVR (16GB), recording without network load

### D12 D DualDome



- DualDome camera with two individually positionable image sensors , for indoor & outdoor (IP65)
- Simultaneous monitoring of different room areas using two separately directionable lenses
- 3MEGA-resolution (QXGA, 2048 x 1536 pixels)
- 180° panorama
- PIR sensor for motion detection in the dark
- Microphone and speaker with full audio functionality (VoIP and SIP telephony with video)
- Integrated switch functions (2 x signal input, 2 x signal output), RS232
- Internal DVR (16GB), recording without network load

### Q22 M Hemispheric 360°



- Hemispheric camera with 360 ° allround view for complete room monitoring
- Without mechanically moving parts, robust and maintenance free, for indoor and outdoor (IP65)
- Digital, continuous 8x zoom and panning
- Event-controlled 360 ° recording , directly in the camera with SD card support
- Alarm functions, speaker and microphone installed
- Perfect design with low installation height for in-ceiling mounting
- Compatible with all D22 accessories
- Internal DVR (16GB), recording without network load

HiRes <b>3 Megapixel</b> 2048 x 1536 software zoom
Skyline <b>Format free</b> each image format freely definable
<b>30 Frames/s</b> VGA (640 x 480) 10F/s Mega
<b>Virtual PTZ</b> digital pan, tilt, zoom
<b>Backlight</b> safe using CMOS without mechanical iris
<b>Internal DVR</b> internal via SD card external via Network
Win/Lin/Mac <b>Recording</b> via Network on PC up to 1 Terabyte
microphone & speaker <b>Audio</b> bi-directional via IP, variable framerates
SIP-Client with video <b>IP-Telephony</b> alarm notify, cam remote control
<b>Video Motion</b> multiple windows precision pixel-based
-22° ... +140°F <b>Weatherproof</b> -30° ... +60°C; IP65 no heating necessary
IEEE 802.3af <b>PoE</b> network power even in winter
<b>Robust</b> no moving parts fibre glass housing
MxCC <b>Licence free</b> Video-Management Software

#### HiRes Video Innovations

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



**Model:**  
**Indoor/Outdoor:**  
**Lenses (eq. 35mm):**

**Resolution:**  
**Pan/Tilt/Zoom:**  
**Frame Rate (Mono):**  
**Sensitivity:**  
**Interfaces:**  
**Internal DVR:**  
**Audio/Telephony:**  
**Power Sup. • In/Out:**  
**Software Features:**

**Arming • Triggering:**  
**External Storage**



**M22M - Sec**  
 In/Outdoor, weather proof, -30°...+60°C  
 Super Wide Angle (22mm, 90°, F2.0),  
 32mm, 43mm, 65mm, 135mm  
 3MEGA (2048x1536 pixels), colour  
 continuous 8x zoom & pan/tilt (digital)  
 30 fps VGA • 30 fps CIF • 10 fps Mega  
 1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
 Ethernet 10/100 Mbps  
 ./.  
 bidirectional, VoIP, IP-Telephony  
 PoE or MX30V • via ExtIO  
 FTP, E-Mail, video alarm management,  
 video motion, Multiview, event search  
 365 day schedule • multiple events  
 up to 1 Terabyte on PC/Server/NAS



**M22M - Sec - Night**  
 In/Outdoor, weather proof, -30°...+60°C  
 Super Wide Angle (22mm, 90°, F2.0),  
 32mm, 43mm, 65mm, 135mm  
 MEGA (1280x960 pixels), B/W  
 continuous 8x zoom & pan/tilt (digital)  
 30 fps VGA • 30 fps CIF • 10 fps Mega  
 0,1 lux (t=1/60sec) • 0,005 lux (t=1/1sec)  
 Ethernet 10/100 Mbps  
 ./.  
 bidirectional, VoIP, IP-Telephony  
 PoE or MX30V • via ExtIO  
 FTP, E-Mail, video alarm management,  
 video motion, Multiview, event search  
 365 day schedule • multiple events  
 up to 1 Terabyte on PC/Server/NAS



**M22M - Sec - CSVario**  
 In/Outdoor, weather proof, -30°...+60°C  
 CS-Mount Vario 24-54 (24 bis 54mm)  
 F 1.6-2.3  
 3MEGA (2048x1536 pixels), colour  
 continuous 8x zoom & pan/tilt (digital)  
 30 fps VGA • 30 fps CIF • 10 fps Mega  
 1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
 Ethernet 10/100 Mbps  
 ./.  
 bidirectional, VoIP, IP-Telephony  
 PoE or MX30V • via ExtIO  
 FTP, E-Mail, video alarm management,  
 video motion, Multiview, event search  
 365 day schedule • multiple events  
 up to 1 Terabyte on PC/Server/NAS



**NEW** Internal Flash Recording

**M22M - Sec-R8**  
 In/Outdoor, weather proof, -30°...+60°C  
 Super Wide Angle (22mm, 90°, F2.0),  
 32mm, 43mm, 65mm, 135mm  
 3MEGA (2048x1536 pixels), colour  
 continuous 8x zoom & pan/tilt (digital)  
 30 fps VGA • 30 fps CIF • 10 fps Mega  
 1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
 Ethernet 10/100 Mbps  
 8 GB CF-card installed  
 bidirectional, VoIP, IP-Telephony  
 PoE or MX30V • via ExtIO  
 FTP, E-Mail, video alarm management,  
 video motion, Multiview, event search  
 365 day schedule • multiple events  
 up to 1 Terabyte on PC/Server/NAS



**Model:**  
**Indoor/Outdoor:**  
**Lenses (eq. 35mm):**

**Resolution:**  
**Pan/Tilt/Zoom:**

**Frame Rate (Mono):**  
**Sensitivity:**  
**Interfaces:**  
**Internal DVR:**  
**Audio/Telephony:**  
**Power Sup. • In/Out:**  
**Software Features:**

**Arming • Triggering:**  
**External Storage**

**M12D - Sec-D22D135**  
 Dual lens outdoor, -30°...+60°C  
 Super Wide Angle (22mm 90°, F2.0),  
 tele (135mm, F2.5)  
 2 x 3MEGA (je 2048x1536 pixels), colour  
 continuous 8x zoom & pan/tilt (digital)  
 30 fps VGA • 30 fps CIF • 10 fps Mega  
 1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
 ISDN, Ethernet 10/100 Mbps, RS232  
 up to 16 GB SD card  
 bidirectional, VoIP, IP-Telephony  
 PoE or MX30V • 1xIN, 1xOUT  
 FTP, E-Mail, video alarm management,  
 video motion, Multiview, event search  
 365 day schedule • multiple events  
 up to 1 Terabyte on PC/Server/NAS



**M12D - Sec-DNIGHT-D43N43**  
 Dual lens outdoor, -30°...+60°C  
 2 Wide Angle (43mm, F2.0),  
 DNIGHT: automatic Day/Night Switching  
 1 x 3MEGA (2048x1536 pixels), colour  
 1x MEGA (1280x960 pixels), B/W  
 continuous 8x zoom & pan/tilt (digital)  
 30 fps VGA • 30 fps CIF • 10 fps Mega  
 0,1 lux (t=1/60sec) • 0,005 lux (t=1/1sec)  
 ISDN, Ethernet 10/100 Mbps RS232  
 up to 16 GB SD card  
 bidirectional, VoIP, IP-Telephony  
 PoE or MX30V • 1xIN, 1xOUT  
 FTP, E-Mail, video alarm management,  
 video motion, Multiview, event search  
 365 day schedule • multiple events  
 up to 1 Terabyte on PC/Server/NAS



**M12D - Sec-DNIGHT-D22N22**  
 Dual lens outdoor, -30°...+60°C  
 Super Wide Angle (22mm, F2.0),  
 DNIGHT: automatic Day/Night Switching  
 1 x 3MEGA (2048x1536 pixels), colour  
 1x MEGA (1280x960 pixels), B/W  
 continuous 8x zoom & pan/tilt (digital)  
 30 fps VGA • 30 fps CIF • 10 fps Mega  
 0,1 lux (t=1/60sec) • 0,005 lux (t=1/1sec)  
 ISDN, Ethernet 10/100 Mbps RS232  
 up to 16 GB SD card  
 bidirectional, VoIP, IP-Telephony  
 PoE or MX30V • 1xIN, 1xOUT  
 FTP, E-Mail, video alarm management,  
 video motion, Multiview, event search  
 365 day schedule • multiple events  
 up to 1 Terabyte on PC/Server/NAS



**NEW** Internal Flash Recording

**M12D - Sec-R8**  
 Dual lens outdoor, -30°...+60°C  
 Super Wide Angle (22mm, 90°, F2.0),  
 43mm, 135mm  
 1 x 3MEGA (2048x1536 pixels), colour  
 1x MEGA (1280x960 pixels), B/W  
 continuous 8x zoom & pan/tilt (digital)  
 30 fps VGA • 30 fps CIF • 10 fps Mega  
 0,1 lux (t=1/60sec) • 0,005 lux (t=1/1sec)  
 ISDN, Ethernet 10/100 Mbps RS232  
 8 GB CF-card installed  
 bidirectional, VoIP, IP-Telephony  
 PoE or MX30V • 1xIN, 1xOUT  
 FTP, E-Mail, video alarm management,  
 video motion, Multiview, event search  
 365 day schedule • multiple events  
 up to 1 Terabyte on PC/Server/NAS



**Model:**  
**Indoor/Outdoor:**  
**Lenses (eq. 35mm):**

**Resolution:**  
**Pan/Tilt/Zoom:**  
**Frame Rate (Mono):**  
**Sensitivity:**  
**Interfaces:**  
**Internal DVR:**  
**Audio/Telephony\*:**  
**Power Sup. • In/Out:**  
**Software Features:**

**Arming • Triggering:**  
**External Storage**



**D22Mi - Basic -D22**  
Indoor, IP54m -30°...+50°C  
Super Wide Angle (22mm, 90°, F2.0),

VGA (640x480 pixels), colour  
./.  
16 fps VGA •16 fps CIF  
1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
Ethernet 10/100 Mbps  
./.  
./.  
PoE or MX30V • ./.  
FTP, E-Mail, video alarm management, video motion, Multiview, event search  
./.  
./.



**D22M - IT -D22**  
In/Outdoor, weather proof, -30°...+60°C  
Super Wide Angle (22mm, 90°, F2.0),

VGA (640x480 pixels), colour  
continuous 8x zoom & pan/tilt (digital)  
30 fps VGA •30 fps CIF  
1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
Ethernet 10/100 Mbps, USB, ext. Audio  
up to 16 GB with SD card  
bidirectional, VoIP, IP-Telephony\*  
PoE or MX30V • via ExtIO  
FTP, E-Mail, video alarm management, video motion, Multiview, event search  
365 day schedule • multiple events  
up to 1 Terabyte on PC/Server/NAS



**D22M - Sec**  
In/Outdoor, weather proof, -30°...+60°C  
Super Wide Angle (22mm, 90°, F2.0),  
32mm, 43mm, 65mm, 135mm  
3MEGA (2048x1536 pixels), colour  
continuous 8x zoom & pan/tilt (digital)  
30 fps VGA •30 fps CIF • 10 fps Mega  
1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
Ethernet 10/100 Mbps, USB, ext. Audio  
up to 16 GB with SD card  
bidirectional, VoIP, IP-Telephony\*  
PoE or MX30V • via ExtIO  
FTP, E-Mail, video alarm management, video motion, Multiview, event search  
365 day schedule • multiple events  
up to 1 Terabyte on PC/Server/NAS



**D22M - Sec-Night**  
In/Outdoor, weather proof, -30°...+60°C  
Super Wide Angle (22mm, 90°, F2.0),  
32mm, 43mm, 65mm, 135mm  
3MEGA (2048x960 pixels), B/W  
continuous 8x zoom & pan/tilt (digital)  
30 fps VGA •30 fps CIF • 10 fps Mega  
0,1 lux (t=1/60sec) • 0,005 lux (t=1/1sec)  
Ethernet 10/100 Mbps, USB, ext. Audio  
up to 16 GB with SD card  
bidirectional, VoIP, IP-Telephony\*  
PoE or MX30V • via ExtIO  
FTP, E-Mail, video alarm management, video motion, Multiview, event search  
365 day schedule • multiple events  
up to 1 Terabyte on PC/Server/NAS



**Q22M - Basic**  
Indoor, IP54, -30°...+50°C  
Hemispheric (11mm, 360°, F2.0),  
Super Wide Angle (22mm, 90°, F2.0)  
VGA (640x480 pixels), colour  
digital PTZ via MxControlCenter  
16 fps VGA •16 fps CIF  
1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
Ethernet 10/100 Mbps  
./.  
./.  
PoE or MX30V  
distortion correction in MxCC, FTP,  
E-mail, video alarm manag., multiview  
./.  
./.



**Model:**  
**Indoor/Outdoor:**  
**Lenses (eq. 35mm):**

**Resolution:**

**Pan/Tilt/Zoom:**  
**Frame Rate (Mono):**  
**Sensitivity:**  
**Interfaces:**  
**Internal DVR:**  
**Audio/Telephony:**  
**Power Sup. • In/Out:**  
**Software Features:**

**Arming • Triggering:**  
**External Storage**

**Q22M - Sec**  
In/Outdoor, weather proof, -30°...+60°C  
Hemispheric (11mm, 360°, F2.0),  
Super Wide Angle (22mm, 90°, F2.0)  
3MEGA (2048x1536 pixels), colour

continuous 8x zoom & pan/tilt (digital)  
30 fps VGA •10 fps Mega • 4 fps 3Mega  
1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
Ethernet 10/100 Mbps, USB, ext. Audio  
up to 16 GB with SD card  
bidirectional, VoIP, IP-Telephony  
PoE or MX30V • via ExtIO  
distortion correction in the camera, FTP,  
E-Mail, video alarm manag.  
365 day schedule • multiple events  
up to 1 Terabyte on PC/Server/NAS



**D12Di - Sec**  
Dual lens indoor, IP54,-30°...+60°C  
Super Wide Angle (22mm, 90°, F2.0)  
32mm, 43mm, 65mm, 135mm  
1 x 3MEGA (2048x1536 pixels), colour  
1 x MEGA (1280 x 960 pixels), B/W  
continuous 8x zoom & pan/tilt (digital)  
30 fps VGA •30 fps CIF • 10 fps Mega  
1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
ISDN, Ethernet 10/100 Mbps, RS232  
up to 16 GB with SD card  
bidirectional, VoIP, IP-Telephony  
PoE or MX30V • 1xIN, 1xOUT  
FTP, E-Mail, video alarm management, video motion, Multiview, event search  
365 day schedule • multiple events  
up to 1 Terabyte on PC/Server/NAS



**D12Di - Sec -180°**  
Dual lens indoor, IP54,-30°...+60°C  
Super Wide Angle (22mm, 90°, F2.0)

1 x 3MEGA (2048x1536 pixels), colour  
1 x MEGA (1280 x 960 pixels), B/W  
continuous 8x zoom & pan/tilt (digital)  
30 fps VGA •30 fps CIF • 10 fps Mega  
1 lux (t=1/60sec) • 0,05 lux (t=1/1sec)  
ISDN, Ethernet 10/100 Mbps, RS232  
up to 16 GB with SD card  
bidirectional, VoIP, IP-Telephony  
PoE or MX30V • 1xIN, 1xOUT  
FTP, E-Mail, video alarm management, video motion, Multiview, event search  
365 day schedule • multiple events  
up to 1 Terabyte on PC/Server/NAS

MxControlCenter for Windows Client:  
High Performance with up to 40 smooth video streams live/stored (on a single PC), integration of analog and digital PTZ cameras with joystick control, alarm management, event search




Lens Options	L22 Day	L22 Night	L32 Day	L32 Night	L43 Day	L43 Night	L65 Day	L65 Night	L135 Day	L135 Night
	• Standard delivery (incl.) • Optional lens (excl.)									
M22M-IT-D22	•	-	-	-	•	-	-	-	-	-
M22M-Sec	-	•	•	•	-	•	-	-	-	-
M22M-Sec-Night	-	-	-	-	-	-	-	-	-	-
M12M-Web-D43	-	-	-	-	•	-	-	-	-	-
M12D-IT-DNight-D43N43	-	-	-	-	•	•	-	-	-	-
M12D-Sec-D22D135	•	-	-	-	-	-	-	-	•	-
M12D-Sec-DNight-D22N22	•	•	-	-	-	-	-	-	-	-
M12D-Sec-DNight-D43N43	-	-	-	-	•	•	-	-	-	-
D12Di-IT/D12Di-Sec	•	•	•	•	•	•	•	•	•	•
D22Mi-Basic-D22	•	-	-	-	•	-	-	-	-	-
D22M-IT-D22	•	-	-	-	•	-	-	-	-	-
D22M-IT-Night-N22	-	•	-	-	-	-	-	-	-	-
D22M-Sec	•	-	•	•	-	-	-	-	-	-
D22M-Sec-Night	-	•	-	-	-	-	-	-	-	-

\*via ExtIO

Subject to change without notice

M12/M22 Access




**Part Name:** SecureFlex -Wall-/Ceiling Mount  
**Description:**

- protected concealed cabling
- ±90° right/left pivoting
- 70° down tilt
- covers RJ45 wall outlets
- compatible with M1/M10/M12-cameras




**Part Name:** M12/M22 -Pole Mount  
**Description:**

- 3mm stainless steel, white
- mast or pole mounting
- Pole circumference from 60 to 180mm
- 2 x metal mounting bands, fittings and grommet included




**Part Name:** Cam-IO -PoE/AC/ACplus  
**Description:**

- Interface for external sensors and equipment (door contact, light, etc.)
- 2xRelais-Out, 2xInput, backup, audio
- Power supply via network / 230V / 230V battery buffered



**Part Name:** D12 Vandalism Set  
**Description:**

- Reinforced dome (3mm Polyc.)
- Stainless steel vandalism ring (matte, polished or white, silver, black powder-coated)



**Part Name:** D12 Wall Mount  
**Description:**


- Weatherproof (IP65) for D12D-Dome
- robust and UV resistant PBT-30GF
- concealed cabling
- covers RJ45 wall outlets
- possible to fit WLAN or GSM/GPRS equipment inside housing



**Part Name:** D12 Pole Mount  
**Description:**

- 3mm stainless steel, powder-coated
- Pole diam.: 60 to 180mm
- Incl. mounting supplies

D22 Accessories



**Part Name:** D22 Vandalism Set  
**Description:**

- Reinforced dome (3mm Polyc.)
- Stainless steel vandalism ring (matte, polished or white, silver, black powder-coated)



**Part Name:** D22 On-Wall Set  
**Description:**

- On-wall mount incl. mounting parts
- Concealed cabling
- Ø 165x37mm/6.5x1.5in
- excluding camera



**Part Name:** D22 In-Ceiling Set  
**Description:**

- In-ceiling set incl. mounting parts
- Easy mounting from front
- Ø 150mm/5.9in diameter
- excluding camera



**Part Name:** D22 Wall Mount  
**Description:**

- Weather protection (IP65) for D22
- Covers RJ45 wall outlets
- Space for expansion modules (WiFi)



**Part Name:** D22 Pole Mount  
**Description:**

- 3mm stainless steel, powder-coated
- Pole diam.: 60 to 180mm
- Incl. mounting supplies




M12/M22 Access



**Part Name:** Network Power Adapter Set  
**Description:** Power supply via network cabling  
 All camera models (MX30V)



**Part Name:** Network Power Box for 4 cameras  
**Description:** Power supply for DIN rails  
 All camera models (MX30V)



**Part Name:** Moxa PoE Switch  
**Description:** High Temperature 8 Port PoE Switch  
 Provides up to 15.4 watts at 48 VDC per PoE port



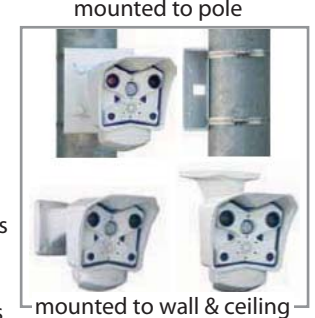
**Part Name:** M12-DevKit  
**Description:**

- M12 main board incl. sound module for connecting up to 2 cameras
- without housing for concealed installation
- housing available separately



**Part Name:** ExtIO  
**Description:**

- Each with 2 In-and Output contacts 8-24V
- Microphone with adjustable volume control, speaker, status LEDs
- USB interface
- Temperature sensor, 2 buttons



Lenses

L22 Super Wide Angle (90°x67°)



L32 Wide Angle (60°x45°)



L43 Wide Angle (45°x34°)



L65 Tele (31°x23°)



L135 Tele (15°x11°)



V24-54 CSVario\*



\*M22M special model