







# HiRes IP Cameras And Accessories

## Camera Models M24

			
<b>Model:</b>	<b>M24M-IT-D22</b>	<b>M24M-Sec</b>	<b>M24M-Sec-Night</b>
<b>Indoor/Outdoor:</b>	In/Outdoor, IP66, -22 to + 144 °F	In/Outdoor, IP66, -22 to + 144 °F	In/Outdoor, IP66, -22 to + 144 °F
<b>Lenses:</b> (eq. 35mm)	Super Wide Angle (22mm, 90°, F 2.0),	Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm	Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm
<b>Resolution:</b>	VGA (640x480 pixels), color	3MEGA (2048x1536 pixels), color	MEGA (1280x960 pixels), B/W
<b>Pan/Tilt/Zoom:</b>	Continuous 8x zoom & pan/tilt (digital)	Continuous 8x zoom & pan/tilt (digital)	Continuous 8x zoom & pan/tilt (digital)
<b>Frame Rate (max.):</b>	30 fps CIF • 30 fps VGA	30 fps VGA • 30 fps MEGA • 20 fps 3MEGA	30 fps VGA • 30 fps MEGA
<b>Sensitivity:</b>	1 lux (t=1/60s) • 0,05 lux (t=1/1s)	1 lux (t=1/60s) • 0,05 lux (t=1/1s)	0,1 lux (t=1/60s) • 0,005 lux (t=1/1s)
<b>Interfaces:</b>	Ethernet 10/100, USB, MxBus	Ethernet 10/100, USB, MxBus	Ethernet 10/100, USB, MxBus
<b>Internal DVR:</b>	Up to 32 GB with MicroSD card	Up to 32 GB with MicroSD card	Up to 32 GB with MicroSD card
<b>Audio/Telephony:</b>	Bidirectional, IP Telephony (VoIP)	Bidirectional, IP Telephony (VoIP)	Bidirectional, IP Telephony (VoIP)
<b>Power Sup. • In/Out:</b>	PoE (IEEE 802.3af) • Via ExtIO	PoE (IEEE 802.3af) • Via ExtIO	PoE (IEEE 802.3af) • Via ExtIO
<b>Software Features:</b>	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search
<b>Arming • Triggering:</b>	365 day schedule • Multiple events	365 day schedule • Multiple events	365 day schedule • Multiple events
<b>External Storage:</b>	Up to 1 TB on PC/Server/NAS	Up to 1 TB on PC/Server/NAS	Up to 1 TB on PC/Server/NAS
<b>Prices:</b>	<b>\$798 (MX-M24M-IT-D22)</b>	<b>\$998 (MX-M24M-Sec)</b>	<b>\$998 (MX-M24M-Sec-Night)</b>

			
<b>Model:</b>	<b>M24M-Sec-CSVario</b>	<b>M24M-Sec-D11</b>	<b>M24M-Sec-Night-N11</b>
<b>Indoor/Outdoor:</b>	In/Outdoor, IP66, -22 to + 144 °F	In/Outdoor, IP66, -22 to + 144 °F	In/Outdoor, IP66, -30 bis +60 °C
<b>Lenses:</b> (eq. 35mm)	CSVario 24-54 (24 bis 54mm) F1.6-2.3	Hemispheric (11mm, 360°, F 2.0)	Hemispheric (11mm, 360°, F 2.0)
<b>Resolution:</b>	3MEGA (2048x1536 pixels), color	3MEGA (2048x1536 pixels), color	MEGA (1280x960 pixels), SW
<b>Pan/Tilt/Zoom:</b>	Continuous 8x zoom & pan/tilt (digital)	Continuous 8x zoom & pan/tilt (digital)	Continuous 8x zoom & pan/tilt (digital)
<b>Frame Rate (max.):</b>	30 fps VGA • 30 fps MEGA • 20 fps 3MEGA	30 fps VGA • 30 fps MEGA • 20 fps 3MEGA	30 fps CIF • 30 fps VGA • 30 fps MEGA
<b>Sensitivity:</b>	1 lux (t=1/60s) • 0,05 lux (t=1/1s)	1 lux (t=1/60s) • 0,05 lux (t=1/1s)	0,1 lux (t=1/60sec) • 0,005 lux (t=1/1sec)
<b>Interfaces:</b>	Ethernet 10/100, USB, MxBus	Ethernet 10/100, USB, MxBus	Ethernet 10/100, USB, MxBus
<b>Internal DVR:</b>	Up to 32 GB with MicroSD card	Up to 32 GB with MicroSD card	Up to 32 GB with MicroSD card
<b>Audio/Telephony:</b>	Bidirectional, IP Telephony (VoIP)	Bidirectional, IP Telephony (VoIP)	Bidirectional, IP Telephony (VoIP)
<b>Power Sup. • In/Out:</b>	PoE (IEEE 802.3af) • Via ExtIO	PoE (IEEE 802.3af) • Via ExtIO	PoE (IEEE 802.3af) • Via ExtIO
<b>Software Features:</b>	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search
<b>Arming • Triggering:</b>	365 day schedule • Multiple events	365 day schedule • Multiple events	365 day schedule • Multiple events
<b>External Storage:</b>	Up to 1 TB on PC/Server/NAS	Up to 1 TB on PC/Server/NAS	Up to 1 TB on PC/Server/NAS
<b>Prices:</b>	<b>\$1,398 (MX-M24M-Sec-CSVario)</b>	<b>\$1,258 (MX-M24M-Sec-D11)</b>	<b>\$1,258 (MX-M24M-Sec-Night-N11)</b>

## Accessories M22/M24

			
<b>Part Name:</b>	<b>Ethernet patch cable für M24 (1/2/5/10 m)</b>	<b>M12/M22/M24-Pole Mount</b>	<b>ExtIO</b>
<b>Description:</b>	<ul style="list-style-type: none"> <li>• 2x RJ45 plug with special MOBOTIX seal</li> <li>• 1, 2, 5 or 10 m long</li> </ul>	<ul style="list-style-type: none"> <li>• 3mm stainless steel, white</li> <li>• Pole mounting</li> <li>• Pole circumference from 60 to 180mm</li> <li>• 2 x stainless steel straps, screws and washers included</li> </ul>	<ul style="list-style-type: none"> <li>• Each with 2 In- and Output contacts 8-24V</li> <li>• Microphone with adjustable volume control, speaker, status LEDs</li> <li>• USB interface, illumination sensor</li> <li>• Temperature sensor, 2 buttons</li> </ul>
<b>Prices:</b>	<b>from \$12 (MX-OPT-CBL-LAN-1)</b>	<b>\$128 (MX-MH-SecureFlex-ESWS)</b>	<b>from \$298 (MX-ExtIO)</b>

# Lens Details

Lens Table							
Article Number	L11	L22	L32	L43	L65	L135	CS-Vario
Original image							
35mm equivalent	11 mm	22 mm	32 mm	43 mm	65 mm	135 mm	24 - 54 mm
Focal length	1.8 mm	4 mm	6 mm	8 mm	12 mm	25 mm	4.5 - 10 mm
Aperture (F)	2.0	2.0	2.0	2.0	2.0	2.5	1.6 - 2.3
Image angle horizontally	180°	90°	60°	45°	31°	15°	73° - 37°
Image angle vertically	160°	67°	45°	34°	23°	11°	58° - 28°
<b>Distance 1 m (3')</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>
• Image width	endless	2.0	1.1	0.8	0.5	0.3	1.5 - 0.7
• Image height	11	1.3	0.8	0.6	0.4	0.2	1.1 - 0.5
<b>Distance 5 m (15')</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>
• Image width	endless	10.0	5.7	4.1	2.7	1.3	7.4 - 3.3
• Image height	55	<b>6.6</b>	<b>4.1</b>	<b>3.0</b>	<b>2.0</b>	<b>1.0</b>	5.5 - 2.5
<b>Distance 10 m (30')</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>
• Image width	endless	20.0	11.5	8.2	5.5	2.6	14.8 - 6.7
• Image height	110	13.3	8.2	6.1	4.0	1.9	11.1 - 5
<b>Distance 20 m (60')</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>
• Image width	endless	40.0	23.0	16.4	11.0	5.2	29.6 - 13.3
• Image height	220	26.6	16.4	12.2	8.0	3.8	22.2 - 10
<b>Distance 50 m (150')</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>	<b>m</b>
• Image width	endless	100.0	57.5	41.0	27.5	13.0	74 - 33.3
• Image height	550	66.0	41.0	30.5	20.0	9.5	55 - 25

Available Lenses	L11 Day	L11 Night	L22 Day	L22 Night	L32 Day	L32 Night	L43 Day	L43 Night	L65 Day	L65 Night	L135 Day	L135 Night	CSVario Day	CSVario Night
<b>D24Mi-Basic-</b>	-	-	D22	-	D32	-	D43	-	D65	-	D135	-	-	-
<b>D24M-IT-</b>	-	-	D22	-	D32	-	D43	-	D65	-	D135	-	-	-
<b>D24M-IT-Night-</b>	-	-	-	N22	-	N32	-	N43	-	N65	-	N135	-	-
<b>D24M-Sec-</b>	-	-	D22	-	D32	-	D43	-	D65	-	D135	-	-	-
<b>D24M-Sec-Night-</b>	-	-	-	N22	-	N32	-	N43	-	N65	-	N135	-	-
<b>M24M-IT-</b>	-	-	D22	-	D32	-	D43	-	D65	-	D135	-	-	-
<b>M24M-IT-Night-</b>	-	-	-	N22	-	N32	-	N43	-	N65	-	N135	-	-
<b>M24M-Sec-</b>	D11	-	D22	-	D32	-	D43	-	D65	-	D135	-	CSVario	-
<b>M24M-Sec-Night-</b>	-	N11	-	N22	-	N32	-	N43	-	N65	-	N135	-	CSVario
<b>M12M-Web-</b>	-	-	-	-	-	-	D43	-	-	-	-	-	-	-
<b>M12D-IT-DNight-</b>	-	-	-	-	-	-	D43	N43	-	-	D135	N135	-	-
<b>M12D-Sec-</b>	-	-	D22	-	-	-	D43	-	-	-	D135	-	-	-
<b>M12D-Sec-DNight-</b>	-	-	D22	N22	-	-	D43	N43	-	-	D135	N135	-	-
<b>D12Di-IT/D12Di-Sec-</b>	-	-	D22	N22	D32	N32	D43	N43	D65	N65	D135	N135	-	-
<b>Q24M-Basic-</b>	D11	-	D22	-	-	-	-	-	-	-	-	-	-	-
<b>Q24M-Sec-</b>	D11	-	D22	-	-	-	-	-	-	-	-	-	-	-
<b>Q24M-Sec-Night-</b>	-	N11	-	-	-	-	-	-	-	-	-	-	-	-