



# IP Dome



Model Name	CAM-7301	CAM-7321/CAM-7322	ACM-3211	ACM-3311
Type	IP outdoor fixed dome	IP outdoor D/N fixed dome	IP indoor D/N IR dome	IP indoor D/N 3" IR dome
Image Sensor	1/3" Super HAD CCD	1/3" EXviewHAD CCD	1/3" Super HAD CCD	1/3" Super HAD CCD
Day/Night	N/A	Yes	Yes	Yes
Mechanical IR Cut Filter	N/A	N/A	N/A	N/A
IR LED	N/A	N/A	Yes	Yes
Lens	Vari-focal, f=2.9 ~ 10 mm	Vari-focal, f=2.9 ~ 10 mm	Fixed lens, f=4.3 mm	Fixed lens, f=4.3 mm
Min. Illumination	0.15 Lux at F1.2	0.05 Lux at F1.2	0 Lux at F2.0(IR LED ON)	0 Lux at F2.0(IR LED ON)
Compression	MPEG-4 ASP	MPEG-4 ASP	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable
Max. Video Resolution vs Frame Rate	720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL)	720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL)	720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL)	720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL)
FPS (NTSC/PAL)	30/25 at all resolution	30/25 at all resolution	30/25 at all resolution	30/25 at all resolution
Audio	2-way	2-way	2-way	2-way
Failover	Yes	Yes	N/A	N/A
Alarm Input/Output	1/1	1/1	N/A	N/A
Motion Detection	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)
Analog Video Output	Yes	Yes	N/A	Yes
Multi-stream	Up to 4 configurable frame rate/ bit rate streams for preview and recording	Up to 4 configurable frame rate/ bit rate streams for preview and recording	Up to 2 configurable frame rate/ bit rate streams for preview and recording	Up to 2 configurable frame rate/ bit rate streams for preview and recording
Network Protocol	TCP, UDP, RTP, RTSP, PPPoE	TCP, UDP, RTP, RTSP, PPPoE	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP
Ethernet Networks	10/100 Base-T x2 for LAN/WAN	10/100 Base-T x2 for LAN/WAN	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN
Camera Angle Adjustment	X (Panning): 0° ~ 300° Y (Tilting): 0° ~ 90°	X (Panning): 0° ~ 300° Y (Tilting): 0° ~ 90°	X (Panning): 0° ~ 360° Y (Tilting): 0° ~ 180° Z (Rotating): 0° ~ 360°	X (Panning): 0° ~ 170° Y (Tilting): 0° ~ 90°
Mounting Options	Flush*/Surface/Wall	Flush*/Surface/Wall	Surface/Wall	Surface/Wall
Power Requirement	DC 12 V / PoE	Yes (CAM-7301)	Yes (CAM-7321)	Yes (ACM-3211)
	DC 12 V / AC 24 V	N/A	Yes (CAM-7322)	N/A

\* Flush mount is identical to in-ceiling mount.



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# IP Speed Dome



Model Name	CAM-6500	CAM-6510/CAM-6610	CAM-6620	CAM-6630
Type	IP indoor high speed dome	IP indoor/outdoor D/N high speed dome	IP outdoor D/N high speed dome with WDR	IP outdoor D/N high speed dome
Image Sensor	1/4" CCD	1/4" EXviewHAD CCD	1/4" Progressive CCD	1/4" Progressive CCD
Zoom	22x optical; 12x digital	18x optical; 12x digital	23x optical; 12x digital	35x optical; 12x digital
Day/Night	N/A	Yes	Yes	Yes
Mechanical IR Cut Filter	N/A	Yes	Yes	Yes
Min. Illumination	1 Lux at F1.4	0.005 Lux at F1.4	0.02 Lux at F1.4	0.05 Lux at F1.4
Compression	MPEG-4 ASP	MPEG-4 ASP	MPEG-4 ASP	MPEG-4 ASP
Max. Video Resolution vs Frame Rate	720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL)	720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL)	720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL)	720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL)
FPS (NTSC/PAL)	30/25 at all resolution	30/25 at all resolution	30/25 at all resolution	30/25 at all resolution
PTZ Control	Yes, 256 presets Preset Tour, Auto Pan, Cruise	Yes, 256 presets Preset Tour, Auto Pan, Cruise	Yes, 256 presets Preset Tour, Auto Pan, Cruise	Yes, 256 presets Preset Tour, Auto Pan, Cruise
Panning Range	360° endless	360° endless	360° endless	360° endless
Panning Speed (° / sec.)	5 ~ 400	5 ~ 400	5 ~ 400	5 ~ 400
Tilting Range	-10° ~ 100°	-10° ~ 190°	-10° ~ 190°	-10° ~ 190°
Tilting Speed (° / sec.)	5 ~ 400	5 ~ 400	5 ~ 400	5 ~ 400
Audio	2-way	2-way	2-way	2-way
Wide Dynamic Range	N/A	N/A	Yes	Yes
Absolute Position	Yes*	Yes	Yes*	Yes*
Alarm Input/Output	8/1**	8/1**	8/1**	8/1**
Motion Detection	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)
Analog Video Output	Yes	Yes	Yes	Yes
Multi-stream	Up to 4 configurable frame rate/ bit rate streams for preview and recording	Up to 4 configurable frame rate/ bit rate streams for preview and recording	Up to 4 configurable frame rate/ bit rate streams for preview and recording	Up to 4 configurable frame rate/ bit rate streams for preview and recording
Failover	Yes	Yes	Yes	Yes
Network Protocol	TCP, UDP, RTP, RTSP, PPPoE	TCP, UDP, RTP, RTSP, PPPoE	TCP, UDP, RTP, RTSP, PPPoE	TCP, UDP, RTP, RTSP, PPPoE
Ethernet Networks	10/100 Base-T x2 for LAN/WAN	10/100 Base-T x2 for LAN/WAN	10/100 Base-T x2 for LAN/WAN	10/100 Base-T x2 for LAN/WAN
Casing	• Vandal proof cover (option)	• IP66 weatherproof dome casing (CAM-6610) • Vandal proof cover (option)	• IP66 weatherproof dome casing • Vandal proof cover (option)	• IP66 weatherproof dome casing • Vandal proof cover (option)
Mounting Options	Surface/Flush***/Wall/Pole/Corner	CAM-6510 indoor model: Surface/Flush***/Wall/Pole/Corner CAM-6610 outdoor model: Wall/Pole/Corner/Ceiling	Wall/Pole/Corner/Ceiling	Wall/Pole/Corner/Ceiling
Power Requirement	AC 24 V Yes (CAM-6500)	Yes (CAM-6510/CAM-6610)	Yes (CAM-6620)	Yes (CAM-6630)

\* Only Pan/Tilt absolute position is supported.

\*\* 8 alarm inputs and 1 alarm output support local event function, 2 alarm inputs support remote event function.

\*\*\* Flush mount is identical to in-ceiling mount.

\* All specifications are subject to change without notice.

\* All brand names and registered trademarks are the property of their respective owners.

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