

Megapixel IP Box/Bullet Camera



Model Name	ACM-5601	ACM-5611	TCM-5311	ACM-1231	ACM-1232	ACM-1511
Type	Megapixel IP indoor* camera	Megapixel IP indoor* camera	Megapixel IP indoor* D/N camera	Megapixel IP outdoor D/N IR camera	Megapixel IP outdoor D/N IR camera	Megapixel IP indoor D/N IR camera
Image Sensor	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	SONY Progressive Scan 1.25M Pixel EXviewHAD CCD	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	1/3" Micron Progressive Scan CMOS 1.3 Megapixel
Day/Night	N/A	Yes	Yes	Yes	Yes	Yes
Mechanical IR Cut Filter	N/A	Yes	Yes	Yes	Yes	Yes
IR LED	N/A	N/A	N/A	Yes	Yes	Yes
Lens	Changeable (CS/C mount); Bundled Fixed lens, f= 4.2mm/F1.8, Fixed iris	Changeable (CS/C mount); Bundled Fixed lens, f= 4.2mm/F1.8, Fixed iris	Changeable (CS/C mount); DC iris	Vari-focal, f= 3.3 ~ 12 mm/F1.6, Fixed iris	Vari-focal, f= 3.3 ~ 12 mm/F1.6, Fixed iris	Vari-focal, f= 3.3 ~ 12 mm/F1.6, Fixed iris
Min. Illumination	0.5 Lux at F1.0	0.05 Lux at F1.0	0.05 Lux at F1.2	0 Lux (IR LED ON)	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Compression	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	H.264/MPEG-4/ MJPEG triple codec with two simultaneous streams	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable
Max. Video Resolution vs Frame Rate	SXGA (1280 x 1024) at 8 fps	SXGA (1280 x 1024) at 8 fps	SXGA (1280 x 960) at 15 fps	SXGA (1280 x 1024) at 8 fps	SXGA (1280 x 1024) at 8 fps	SXGA (1280 x 1024) at 8 fps
FPS	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	15 fps at SXGA (1280 x 960) 30 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)
Audio	2-way	2-way	2-way	2-way	2-way	2-way
Alarm Input/Output	1/1	1/1	1/1	N/A	N/A	N/A
Motion Detection	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)
Analog Video Output	N/A	N/A	N/A	N/A	N/A	N/A
Multi-stream	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	H.264/MPEG-4/ MJPEG simultaneous dual streams selectable	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	Up to 2 configurable frame rate/ bit rate streams for preview and recording
Network Protocol	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP
Ethernet Networks	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/ WAN	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN
Camera Angle Adjustment	N/A	N/A	N/A	N/A	N/A	N/A
Environmental Casing	Optional	Optional	Optional	IP66 weatherproof casing	IP66 weatherproof casing	N/A
Mounting Options	N/A	N/A	N/A	N/A	N/A	N/A
Power Requirement	DC 3.3 V	N/A	N/A	N/A	N/A	N/A
	DC 12 V / PoE	Yes	Yes	Yes	N/A	Yes
	DC 12 V / AC 24 V	N/A	N/A	N/A	N/A	Yes

* Outdoor application requires weatherproof housing.

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

Megapixel IP Fixed Dome Camera



Model Name	ACM-3401	ACM-3411	ACM-3511	ACM-7411
Type	Megapixel IP indoor dome	Megapixel IP indoor D/N dome	Megapixel IP indoor D/N dome	Megapixel IP outdoor D/N dome
Image Sensor	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	1/3" Micron Progressive Scan CMOS 1.3 Megapixel
Day/Night	N/A	Yes	Yes	Yes
Mechanical IR Cut Filter	N/A	Yes	Yes	Yes
IR LED	N/A	N/A	Yes	N/A
Lens	Fixed lens, f= 4.2mm/F1.8, Fixed iris	Fixed lens, f= 4.2mm/F1.8, Fixed iris	Vari-focal, f= 3.3~12mm/ F1.6, Fixed iris	Vari-focal, f= 3.3 ~ 12 mm/F1.6, Fixed iris
Min. Illumination	0.5 Lux at F1.0	0.05 Lux at F1.0	0 Lux (IR LED ON)	0.05 Lux at F1.0
Compression	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable
Max. Video Resolution vs Frame Rate	SXGA (1280 x 1024) at 8 fps	SXGA (1280 x 1024) at 8 fps	SXGA (1280 x 1024) at 8 fps	SXGA (1280 x 1024) at 8 fps
FPS	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)
Audio	2-way	2-way	2-way	2-way
Alarm Input/Output	N/A	N/A	N/A	1/1
Motion Detection	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)
Analog Video Output	N/A	N/A	N/A	N/A
Multi-stream	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	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, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP
Ethernet Networks	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 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° ~ 170° Y (Tilting): 0° ~ 90°	X (Panning): 0° ~ 170° Y (Tilting): 0° ~ 90°	X (Panning): 0° ~ 330° Y (Tilting): 30° ~ 90°	X (Panning): 0° ~ 360° Y (Tilting): 0° ~ 180° Z (Rotating): 0° ~ 360°
Environmental Casing	N/A	N/A	N/A	IP66 weatherproof casing
Mounting Options	Surface/Wall	Surface/Wall	Surface/Wall	Flush**/Surface/Wall
Power Requirement	DC 3.3 V	N/A	N/A	N/A
	DC 12 V / PoE	Yes	Yes	Yes
	DC 12 V / AC 24 V	N/A	N/A	N/A

* Outdoor application requires weatherproof housing.

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

Megapixel IP Cube Camera



Model Name	ACM-4200	ACM-4201	TCM-4301
Type	Megapixel IP indoor cube camera	Megapixel IP indoor cube camera	Megapixel IP indoor cube camera
Image Sensor	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	1/3" Micron Progressive Scan CMOS 1.3 Megapixel
Day/Night	N/A	N/A	N/A
Mechanical IR Cut Filter	N/A	N/A	N/A
IR LED	N/A	N/A	N/A
Lens	Changeable (CS/C mount); Bundled Fixed lens, f= 4.2mm/F1.8, Fixed iris	Changeable (CS/C mount); Bundled Fixed lens, f= 4.2mm/F1.8, Fixed iris	Changeable (CS/C mount); Bundled Fixed lens, f= 4.2mm/F1.8, Fixed iris
Min. Illumination	0.5 Lux at F1.0	0.5 Lux at F1.0	0.5 Lux at F1.0
Compression	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	H.264/MPEG-4/MJPEG triple codec with two simultaneous streams
Max. Video Resolution vs Frame Rate	SXGA (1280 x 1024) at 8 fps	SXGA (1280 x 1024) at 8 fps	SXGA (1280 x 1024) at 18 fps
FPS	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	18 fps at SXGA (1280 x 1024) 25 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)
Audio	2-way	2-way	2-way
Alarm Input/Output	N/A	N/A	N/A
Motion Detection	Yes (hardware)	Yes (hardware)	Yes (hardware)
Analog Video Output	N/A	N/A	N/A
Multi-stream	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	H.264/MPEG-4/MJPEG simultaneous dual streams selectable
Network Protocol	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP
Ethernet Networks	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN
Camera Angle Adjustment	N/A	N/A	N/A
Environmental Casing	N/A	N/A	N/A
Mounting Options	N/A	N/A	N/A
Power Requirement	DC 3.3 V	Yes	N/A
	DC 12 V / PoE	N/A	Yes
	DC 12 V / AC 24 V	N/A	N/A

IP Cube Camera



Model Name	ACM-4000	ACM-4001
Type	IP indoor cube camera	IP indoor cube camera
Image Sensor	1/3" Micron Progressive Scan CMOS	1/3" Micron Progressive Scan CMOS
Day/Night	N/A	N/A
Mechanical IR Cut Filter	N/A	N/A
IR LED	N/A	N/A
Lens	Fixed lens, f= 4.2mm/F1.8 Fixed iris	Fixed lens, f= 4.2mm/F1.8 Fixed iris
Min. Illumination	0.5 Lux at F1.0	0.5 Lux at F1.0
Compression	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable
Max. Video Resolution vs Frame Rate	640 x 480 at 30 fps	640 x 480 at 30 fps
FPS (NTSC/PAL)	30 at all resolution	30 at all resolution
Audio	2-way	2-way
Failover	N/A	N/A
Alarm Input/Output	N/A	N/A
Motion Detection	Yes (hardware)	Yes (hardware)
Analog Video Output	N/A	N/A
Multi-stream	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
Protocol	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP
Ethernet Networks	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN
Power Requirement	DC 3.3 V	Yes
	DC 12V / PoE	N/A
		Yes

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IP Box Camera



Model Name	ACM-5001	ACM-5711	CAM-5201	CAM-5221	CAM-5301	CAM-5321
Type	IP indoor* camera	IP indoor* D/N camera	IP indoor* camera	IP indoor D/N camera	IP indoor* camera	IP indoor D/N camera
Image Sensor	1/3" Micron Progressive Scan CMOS	1/3" SuperHAD CCD	1/3" SuperHAD CCD	1/3" EXviewHAD CCD	1/3" SuperHAD CCD	1/3" EXviewHAD CCD
Day/Night	N/A	Yes	N/A	Yes	N/A	Yes
Mechanical IR Cut Filter	N/A	N/A	N/A	Yes	N/A	Yes
IR LED	N/A	N/A	N/A	N/A	N/A	N/A
Lens	Changeable (CS/C mount), Bundled fixed lens, f=4.2mm/F1.8, Fixed iris	Changeable (CS/C mount); DC iris	Changeable (CS/C mount); DC iris	Changeable (CS/C mount); DC iris	Changeable (CS/C mount); DC iris	Changeable (CS/C mount); DC iris
Min. Illumination	0.5 Lux at F1.0	0.05 Lux at F1.0 (AES & Sense-Up ON)	0.15 Lux at F1.2	0.05 Lux at F1.2	0.15 Lux at F1.2	0.05 Lux at F1.2
Compression	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	MPEG-4 ASP	MPEG-4 ASP	MPEG-4 ASP	MPEG-4 ASP
Max. Video Resolution vs Frame Rate	640 x 480 at 30 fps	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)	720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL)
FPS (NTSC/PAL)	30 fps at all resolution	30/25 fps at all resolution	30/25 fps at all resolution	30/25 fps at all resolution	30/25 fps at all resolution	30/25 fps at all resolution
Audio	2-way	2-way	1-way	1-way	N/A	N/A
Failover	N/A	N/A	Yes	Yes	Yes	Yes
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1
Motion Detection	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)
Analog Video Output	No	Yes	Yes	Yes	Yes	Yes
Multi-stream	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	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
Network Protocol	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	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 x1 for LAN/WAN	10/100 Base-T x1 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	10/100 Base-T x2 for LAN/WAN
Environmental Casing	Optional	Optional	Optional	Optional	Optional	Optional
Power Requirement	DC 12 V / PoE	Yes	Yes	Yes	Yes	Yes
	DC 12 V / AC 24 V	N/A	N/A	N/A	N/A	N/A

* Outdoor application requires weatherproof housing.

IP Bullet Camera



Model Name	ACM-1011	ACM-1311	ACM-1431	ACM-1432
Type	IP indoor D/N IR camera	IP indoor D/N IR camera	IP outdoor D/N IR camera	IP outdoor D/N IR camera
Image Sensor	1/3" Micron Progressive Scan CMOS	1/3" SuperHAD CCD	1/3" SuperHAD CCD	1/3" SuperHAD CCD
Day/Night	Yes	Yes	Yes	Yes
Mechanical IR Cut Filter	Yes	N/A	Yes	Yes
IR LED	Yes	Yes	Yes	Yes
Lens	Vari-focal, f=3.3 ~ 12 mm / F1.6 Fixed iris	Fixed lens, f=4.3 mm / F2.0 Fixed iris	Vari-focal, f=3.8 ~ 9.5 mm / F1.2 Auto iris	Vari-focal, f=3.8 ~ 9.5 mm / F1.2 Auto iris
Min. Illumination	0 Lux (IR LED ON)	0 Lux (IR LED ON)	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Compression	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable
Max. Video Resolution vs Frame Rate	640 x 480 at 30 fps	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 fps at all resolution	30/25 fps at all resolution	30/25 fps at all resolution	30/25 fps at all resolution
Audio	2-way	2-way	2-way	2-way
Failover	N/A	N/A	N/A	N/A
Alarm Input/Output	N/A	N/A	N/A	N/A
Motion Detection	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)
Analog Video Output	No	Yes	Yes	Yes
Multi-stream	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	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, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP
Ethernet Networks	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN
Environmental Casing	N/A	N/A	IP66 weatherproof casing	IP66 weatherproof casing
Power Requirement	DC 12 V / PoE	Yes	Yes	N/A
	DC 12 V / AC 24 V	N/A	N/A	Yes



IP Fixed Dome Camera



Model Name	ACM-3001	ACM-3011	ACM-3211	ACM-3311
Type	IP indoor dome	IP indoor D/N IR dome	IP indoor D/N IR dome	IP indoor D/N IR dome
Image Sensor	1/3" Micron Progressive Scan CMOS	1/3" Micron Progressive Scan CMOS	1/3" SuperHAD CCD	1/3" SuperHAD CCD
Day/Night	N/A	Yes	Yes	Yes
Mechanical IR Cut Filter	N/A	Yes	N/A	N/A
IR LED	N/A	Yes	Yes	Yes
Lens	Fixed lens, f= 4.2mm/F1.8 Fixed iris	Vari-focal f3.3 ~ 12mm/F1.6 Fixed iris	Fixed lens, f=4.3 mm/F2.0 Fixed iris	Fixed lens, f=4.3 mm/F2.0 Fixed iris
Min. Illumination	0.5 Lux at F1.0	0 Lux (IR LED ON)	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Compression	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable
Max. Video Resolution vs Frame Rate	640 x 480 at 30 fps	640 x 480 at 30 fps	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 fps at all resolution	30 fps at all resolution	30/25 fps at all resolution	30/25 fps at all resolution
Audio	2-way	2-way	2-way	2-way
Failover	N/A	N/A	N/A	N/A
Alarm Input/Output	N/A	N/A	N/A	N/A
Motion Detection	Yes (hardware)	Yes (hardware)	Yes (hardware)	Yes (hardware)
Analog Video Output	N/A	N/A	N/A	Yes
Multi-stream	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	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, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP
Ethernet Networks	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 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° ~ 170° Y (Tilting): 0° ~ 90°	X (Panning): 0° ~ 170° 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	Surface/Wall	Surface/Wall	Surface/Wall	Surface/Wall
Power Requirement	DC 12 V / PoE	Yes	Yes	Yes
	DC 12 V / AC 24 V	N/A	N/A	N/A

IP Fixed Dome Camera



Model Name	CAM-7301	CAM-7321	CAM-7322
Type	IP outdoor fixed dome	IP outdoor D/N fixed dome	IP outdoor D/N fixed dome
Image Sensor	1/3" SuperHAD CCD	1/3" EXviewHAD CCD	1/3" EXviewHAD CCD
Day/Night	N/A	Yes	Yes
Mechanical IR Cut Filter	N/A	N/A	N/A
IR LED	N/A	N/A	N/A
Lens	Vari-focal, f=2.9 ~ 10 mm/F1.2 Auto iris	Vari-focal, f=2.9 ~ 10 mm/F1.2 Auto iris	Vari-focal, f=2.9 ~ 10 mm/F1.2 Auto iris
Min. Illumination	0.15 Lux at F1.2	0.05 Lux at F1.2	0.05 Lux at F1.2
Compression	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)
FPS (NTSC/PAL)	30/25 fps at all resolution	30/25 fps at all resolution	30/25 fps at all resolution
Audio	2-way	2-way	2-way
Failover	Yes	Yes	Yes
Alarm Input/Output	1/1	1/1	1/1
Motion Detection	Yes (hardware)	Yes (hardware)	Yes (hardware)
Analog Video Output	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
Network Protocol	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
Camera Angle Adjustment	X (Panning): 0° ~ 300° Y (Tilting): 0° ~ 90°	X (Panning): 0° ~ 300° Y (Tilting): 0° ~ 90°	X (Panning): 0° ~ 300° Y (Tilting): 0° ~ 90°
Mounting Options	Flush*/Surface/Wall	Flush*/Surface/Wall	Flush*/Surface/Wall
Power Requirement	DC 12 V / PoE	Yes	N/A
	DC 12 V / AC 24 V	N/A	Yes

* Outdoor application requires weatherproof housing.

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IP PTZ Camera



Model Name	ACM-8201	ACM-8211	ACM-8511
Type	Megapixel IP PTeZ camera	Megapixel IP D/N PTeZ camera	IP D/N PTZ camera
Image Sensor	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	1/3" Micron Progressive Scan CMOS 1.3 Megapixel	1/4" CCD Image Sensor
Zoom	N/A	N/A	10x optical; 10x digital
Day/Night	N/A	Yes	Yes
Mechanical IR Cut Filter	N/A	Yes	N/A
IR LED	N/A	Yes	N/A
Lens	Fixed lens, f= 4.2mm/F1.8, Fixed iris	Fixed lens, f= 4.2mm/F1.8, Fixed iris	Zoom lens, f = 4.2 ~ 42 mm /F1.8~2.9, Auto iris
Min. Illumination	0.5 Lux at F1.0	0 Lux (IR LED ON)	0.009 Lux at F1.8
Compression	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable	MPEG-4, MJPEG selectable
Max. Video Resolution vs Frame Rate	SXGA (1280 x 1024) at 8 fps	SXGA (1280 x 1024) at 8 fps	720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL)
FPS	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	8 fps at SXGA (1280 x 1024) 10 fps at HD720 (1280 x 720) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) 30 fps at QQVGA (160 x 112)	30/25 at all resolution
PTZ Control	Yes, 32 presets Preset Tour, Auto Scan	Yes, 32 presets Preset Tour, Auto Scan	Yes, 32 presets Preset Tour, Auto Scan
Panning Range	0°~ 350°	0°~ 350°	0°~ 354°
Panning Speed (° / sec.)	20° ~120°	20° ~120°	10° ~90°
Tilting Range	-30° ~ 90°	-30° ~ 90°	-25° ~ 90°
Tilting Speed (° / sec.)	15° ~ 70°	15° ~ 70°	10° ~ 70°
Audio	2-way	2-way	2-way
Alarm Input/Output	1/1	1/1	1/1
Motion Detection	Yes (hardware)	Yes (hardware)	Yes (hardware)
Analog Video Output	N/A	N/A	N/A
Multi-stream	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	Up to 2 configurable frame rate/ bit rate streams for preview and recording
Network Protocol	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP	TCP, UDP, RTP, RTSP, PPPoE, 3GPP
Ethernet Networks	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN	10/100 Base-T x1 for LAN/WAN
Mounting Options	Surface/Flush*	Surface*	Surface/Flush*
Power Requirement	DC 12 V / PoE Yes	Yes	Yes

* Flush mount is identical to in-ceiling mount.

IP Speed Dome



Model Name	CAM-6510	CAM-6610	CAM-6620	CAM-6630
Type	IP indoor D/N high speed dome	IP outdoor D/N high speed dome	IP outdoor D/N high speed dome with WDR	IP outdoor D/N high speed dome with WDR
Image Sensor	1/4" EXviewHAD CCD	1/4" EXviewHAD CCD	1/4" Progressive CCD	1/4" Progressive CCD
Zoom	18x optical; 12x digital	18x optical; 12x digital	23x optical; 12x digital	35x optical; 12x digital
Day/Night	Yes	Yes	Yes	Yes
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes
Lens	4.1~73.8 mm auto iris and Auto focus lens 18x optical zoom; 12x digital zoom	4.1~73.8 mm auto iris and Auto focus lens 18x optical zoom; 12x digital zoom	3.6~82.8 mm auto iris and Auto focus lens 23x optical zoom; 12x digital zoom	3.4~119 mm auto iris and Auto focus lens 35x optical zoom; 12x digital zoom
Min. Illumination	0.005 Lux at F1.4	0.005 Lux at F1.4	0.02 Lux at F1.4	0.01 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 fps at all resolution	30/25 fps at all resolution	30/25 fps at all resolution	30/25 fps 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° ~ 190°	-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 • 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	Wall/Pole/Corner/Ceiling	Wall/Pole/Corner/Ceiling	Wall/Pole/Corner/Ceiling
Power Requirement	AC 24 V	Yes	Yes	Yes

* 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.

Video Server



Model Name	ACD-2000Q		ACD-2100		ACD-2200		ACD-2300	
Channel	4		1		4		8	
Compression	MPEG-4, MJPEG selectable		MPEG-4, MJPEG selectable		MPEG-4, MJPEG selectable		MPEG-4, MJPEG selectable	
Max. Video Resolution vs Frame Rate	<ul style="list-style-type: none"> Quad Mode: <ul style="list-style-type: none"> 30 fps at full D1 (720x480 in NTSC) 25 fps at full D1 (720x576 in PAL) Sequential Mode (per channel): <ul style="list-style-type: none"> 30 fps at full D1 (720x480 in NTSC) 25 fps at full D1 (720x576 in PAL) Single Mode (per channel): <ul style="list-style-type: none"> 7 fps at full D1 (720x480 in NTSC, 720x576 in PAL) 15 fps at CIF (352x240 in NTSC, 352x288 in 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) (per channel)		720 x 480 at 30 fps (NTSC) 720 x 576 at 25 fps (PAL) (per channel)	
FPS (NTSC/PAL)	30/25 fps under Quad/Sequential Mode		30/25 fps at all resolution		30/25 fps at all resolution (per channel)		30/25 fps at all resolution (per channel)	
Video Input	Composite x 4		Composite x1		Composite x4		Composite x8	
Video Output	Composite x 1		Composite x1		N/A		N/A	
Audio	2-way		2-way		2-way (per channel)		2-way (per channel)	
Alarm Input/Output	2/2		2/2		2/2 (per channel)		2/2 (per channel)	
PTZ*	Yes		Yes		Yes		Yes	
Serial Ports	RS-485/422/232		RS-485/422/232		RS-485/422/232** (per channel)		RS-485/422/232** (per channel)	
Motion Detection	Yes (hardware)		Yes (hardware)		Yes (hardware)		Yes (hardware)	
Failover	N/A		N/A		N/A		N/A	
Multi-stream	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		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, 3GPP		TCP, UDP, RTP, RTSP, PPPoE, 3GPP		TCP, UDP, RTP, RTSP, PPPoE		TCP, UDP, RTP, RTSP, PPPoE	
Ethernet Networks	10/100 Base-T x 1 for LAN/WAN		10/100 Base-T x1 for LAN/WAN		10/100 Base-T x1 for LAN/WAN		10/100 Base-T x1 for LAN/WAN	
Rack Solution	N/A		RMK-2000 / RMK-3000 (Optional)		RMK-2000 / RMK-3000 (Optional)		Yes	
Power Requirement	DC 12 V	Yes	Yes (ACD-2100/ACD-2100T)		Yes		N/A	
	AC 110~240 V	N/A	N/A		N/A		Yes	
Extended Temperature (-30° C ~ 70° C)	N/A		Yes (ACD-2100T)		N/A		N/A	

* Requires additional third-party PTZ device.

**RS-232 can be adjusted by inside jumper.

Video Decoder



Model Name	ACD-3100
Channel	1
Decompression	MPEG-4 ASP
FPS (NTSC/PAL)	30/25 at all resolution
Max. Video Resolution	720 x 480 (NTSC) 720 x 576 (PAL)
Video output	composite x1; Y/C x1
Audio	2-way



Video Server



Model Name	ACD-2400		SED-2120	SED-2140	SED-2610
Channel	16		1	1	8
Compression	MPEG-4, MJPEG selectable		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) (per channel)		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) (per channel)
FPS (NTSC/PAL)	30/25 at all resolution (per channel)		30/25 at all resolution	30/25 at all resolution	30/25 at all resolution (per channel)
Video Input	Composite x16		Composite x1	Composite x1	Composite x8
Video Output	N/A		Composite x1	Composite x1	N/A
Audio	2-way (per channel)		N/A	2-way	2-way (per channel)
Alarm Input/Output	2/2 (per channel)		2/2	2/2	2/2 (per channel)
PTZ*	Yes		Yes	Yes	Yes
Serial Ports	RS-485/422/232** (per channel)		RS-485/422/232	RS-485/422/232	RS-485/422/232** (per channel)
Motion Detection	Yes (hardware)		Yes (hardware)	Yes (hardware)	Yes (hardware)
Failover	N/A		Yes	Yes	N/A
Multi-stream	Up to 2 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
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 x1 for LAN/WAN		10/100 Base-T x2 for LAN/WAN	10/100 Base-T x2 for LAN/WAN	10/100 Base-T x1 for LAN/WAN
Rack Solution	Yes		RMK-2000 / RMK-3000 (Optional)	RMK-2000 / RMK-3000 (Optional)	Yes
Power Requirement	DC 12 V	N/A	Yes	Yes (SED-2140/SED-2140T)	N/A
	AC 110~240 V	Yes	N/A	N/A	Yes
Extended Temperature (-30° C ~ 70° C)	N/A		N/A	Yes(SED-2140T)	N/A

* Requires additional third-party PTZ device.

**RS-232 can be adjusted by inside jumper.

Video Decoder

Model Name	ACD-3100	
Serial Ports	RS-485/422/232	
Alarm Input/Output	2/2	
Protocol	TCP, UDP, RTP, RTSP	
Ethernet Networks	10/100 Base-T x1 for LAN/WAN	
Rack Solution	RMK-2000 / RMK-3000	
Power Requirement	DC 12 V	Yes