



CAM-6300

MPEG-4 Real-time IP Speed Dome

Preliminary



- 1/4" SONY Exview HAD with 440K/380K pixels
- 10X optical zoom and 10X digital zoom
- Pan driver accuracy of 0.50°
- Preset speed up to 300°/sec
- MPEG-4 ASP compliant compression
- CIF up to Full D1 resolution at 30/25 FPS
- Dual MPEG-4 video stream output via LAN and WAN (PPPoE supported) ports at the same time
- QoS enabled (L3) video streaming
- Remote Pan/Tilt/Zoom control
- Vandal proof (optional)

Housing



- 61-PDH700107A1 (5" Smoke bubble cover, non-vandal)
- 61-PDH700108A1 (5.4" Smoke bubble cover, non-vandal)
- 61-PDH700105A1 (5" Clear bubble cover, non-vandal)
- 61-PDH700106A1 (5.4" Clear bubble cover, non-vandal)
- 61-PDH700109A1 (5.4" Clear bubble cover, vandal)

Hard ceiling mount



80-DH5001HC1
(Hard ceiling mount)

T-bar ceiling mount



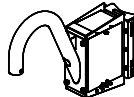
80-DH5001TB1
(T-Bar ceiling mount)

Indoor mount kit



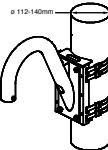
69-77H05AIMK
(Indoor mount kit)

Pole thin mount



D77H05-PTB
(Pole thin box mounting)

OR



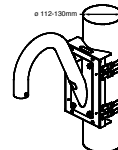
D77H05-PTD
(Pole thin direct mount)

Pole wide mount



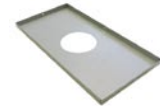
D77H05-PWB
(Pole wide box mounting)

OR



D77H05-PWD
(Pole wide direct mount)

Others



80-77H061P00
(Ceiling panel)



69-77H071C00
(Connector box)



69-77H071PD13
(Power box 110)

OR



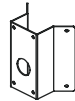
69-77H071PD23
(Power box 220)

OR

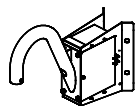


90-D77H05AT02
(Cutting tool)

Corner mount

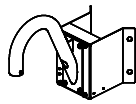


D77H05-CST
(Corner standard mounting)



D77H05-CTB
(Corner thin box)

OR



D77H05-CWB
(Corner wide box)

Wall mount



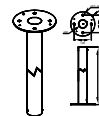
D77H03-BW
(Gooseneck tube)

OR



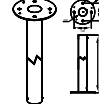
D77H05-WBM
(Wall box mounting)

Hard ceiling mount



D77H03-2W
(Straight tube 50cm)

OR



D77H03-1W
(Straight tube 25cm)

**PRODUCT SPECIFICATION**

Image	
Device	Interline Transfer SONY Exview HAD CCD
Size	1/4 inch
Effective Pixels (HxV)	768 x 494 (NTSC); 752 x 582 (PAL)
Horizontal Resolution	470 TVL (NTSC); 460 TVL (PAL)
Min. scene Illumination	
Color	2 Lux (F1.6, 1/60s(NTSC) or 1/50s(PAL))
Lens	
Focal Length	4 ~ 40 mm
Zoom Ratio	10X
Aperture Ratio	F1.4(Wide), F3.0(Tele)
Diagonal angle	48°(W) ~ 2.8°(T)
Zoom speed	1 sec. (1x to 10x)
Digital Zoom	X1 ~ X10 variable
Synchronization	
Sync. System	Internal
Functions	
Electronic Shutter	1/60 ~ 1/30,000 sec. (NTSC) 1/50 ~ 1/30,000 sec. (PAL)
BLC	On / Off
AGC	Auto / Manual
Auto exposure control	Auto / manual / exposure compensation
Exposure compensation	-10.5~+10.5dB (15 steps)
White Balance	Auto / manual
Camera ID	Max. 20 characters
Number of Preset	256 points
Auto iris control	Auto / manual
Sequence group	8
Auto pan (patrol)	4
Schedule	Yes
Cruise	1
S/N Ratio	
S/N Ratio	Better than 50 dB (AGC off)

PAN/TILT		
Manual Speed	Pan Tilt	0.6° ~ 60° / sec.
Preset Speed	Pan Tilt	5° ~ 300° / sec.
Preset Accuracy	Pan Tilt	0.50°
Travel Range	Pan Tilt	720° -10° ~ 100°
Video (Compression)		
Compression	MPEG-4 ASP Compliant	
Picture Resolution	Full D1 (720 x 480 in NTSC, 720 x 576 in PAL) CIF (352 x 240 in NTSC, 352 x 288 in PAL) QCIF (160 x 112 in NTSC, 176 x 144 in PAL)	
Bit Rate	28 K ~ 3M bps	
Video Output		
Composite Output	CVBS, 1.0Vp-p with 75 Ω loading, BNC Connector	
Alarm		
Input	8, TTL, terminal block (optional)	
Output	1, TTL, terminal block (optional)	
External I/O		
Reset Button	Factory default	
Network		
LAN Port	Ethernet (10/100Base-T), RJ-45 connector	
WAN Port	Ethernet (10/100Base-T), RJ-45 connector	
Protocol	TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP	
Software		
Web Browser	Microsoft Internet Explorer 6.0 or above	
SDK	ActiveX control, C SDK	
Security	Password protection : configured by the administrator	
Operating		
Temperature	0~40°C (32~104°F)	
Power		
Power Requirement	AC 24 V ±20%	
Power Consumption	22 W	
Physical		
Dimensions (ØxH)	133 mm x 173 mm (5.0" x 7.2")	
Weight	1,200 g (2.6 lb)	



MPEG-4 Real-time IP High Speed Dome with Wide Dynamic Option

CAM-6500

Preliminary



- 1/4" SONY Exview HAD with 440K/380K pixels
- Preset speed up to 400°/sec.
- Digital flip and high speed P/T/Z functions enhance tracking ability
- Pan driver accuracy of 0.225°
- Pan & Tilt proportional to Zoom Ratio
- Minimum illumination 0.01Lux
- Digital slow shutter
- MPEG-4 ASP compliant compression
- CIF up to Full D1 resolution at 30/25 FPS
- Dual MPEG-4 video stream output via LAN and WAN (PPPoE supported) ports at the same time
- QoS enabled (L3) video streaming
- Remote Pan/Tilt/Zoom control
- Vandal proof (optional)

Housing



- 61-PDH700107A1 (5" Smoke bubble cover, non-vandal)
- 61-PDH700108A1 (5.4" Smoke bubble cover, non-vandal)
- 61-PDH700105A1 (5" Clear bubble cover, non-vandal)
- 61-PDH700106A1 (5.4" Clear bubble cover, non-vandal)
- 61-PDH700109A1 (5.4" Clear bubble cover, vandal)

Hard ceiling mount



D77H06-H00
(Hard ceiling mount)

T-bar ceiling mount



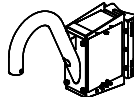
D77H06-T25
(T-Bar ceiling mount)

Indoor mount kit



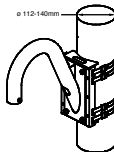
69-77H05AIMK
(Indoor mount kit)

Pole thin mount



D77H05-PTB
(Pole thin box mounting)

OR



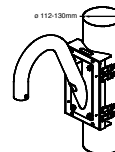
D77H05-PTD
(Pole thin direct mount)

Pole wide mount



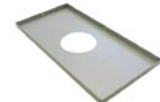
D77H05-PWB
(Pole wide box mounting)

OR



D77H05-PWD
(Pole wide direct mount)

Others



90-77H061P00
(Ceiling panel)



69-77H071C00
(Connector box)



69-77H071PD13
(Power box 110)

OR



69-77H071PD23
(Power box 220)

OR

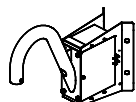


90-D77H05AT02
(Cutting tool)

Corner mount

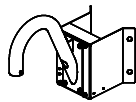


D77H05-CST
(Corner standard mounting)



D77H05-CTB
(Corner thin box)

OR



D77H05-CWB
(Corner wide box)

Wall mount



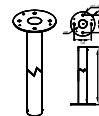
D77H03-BW
(Gooseneck tube)

OR



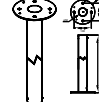
D77H05-WBM
(Wall box mounting)

Hard ceiling mount



D77H03-2W
(Straight tube 50cm)

OR



D77H03-1W
(Straight tube 25cm)



PRODUCT SPECIFICATION

		CAM-6500	CAM-6510	CAM-6520
Image	Device	Progressive CCD	Exview HAD CCD	Progressive CCD
	Size	1/4 inch		
	Effective Pixels (HxV)	768x494(NTSC); 752x582(PAL)		724x494(NTSC); 724x582(PAL)
	Horizontal Resolution	470 TVL (NTSC); 460 TVL (PAL)		470 TVL (NTSC); 470 TVL (PAL)
Min. scene Illumination	Color	2 Lux (F1.6, 1/60s(NTSC) or 1/50s(PAL))	0.7 Lux (F1.4, 1/60s(NTSC) or 1/50s (PAL))	3 Lux (F1.6, 1/60s(NTSC), 1/50s (PAL))
	B/W	N/A	0.01 Lux or less (F1.4, 1/4s (NTSC) or 1/3s (PAL), IR ON)	0.01 Lux or less (F1.6, 1/4s (NTSC) or 1/3s (PAL), IR ON)
Lens	Focal Length	4 ~ 88 mm	4.1 ~ 73.8 mm	3.6 ~ 82.8 mm
	Zoom Ratio	22x	18x	23x
	Aperture Ratio	F1.6(Wide), F3.8(Tele)	F1.4(Wide), F3.0(Tele)	F1.6(Wide), F3.7(Tele)
	Diagonal angle	47.3°(W)~2.2°(T)	48°(W)~2.8°(T)	54°(W)~2.5°(T)
	Zoom Speed	2.9sec(1x to 22x)	2.1sec(1x to 18x)	2.9sec(1x to 23x)
	Digital Zoom	X1 ~ X12 variable		
Synchronization	Sync. System	Internal / line lock		
Day/Night Functions	Day/Night Switching	N/A	IR Cut Filter	
	Motion Detection	N/A	Yes	N/A
Functions	Electronic Shutter	1/2 ~ 1/4,000 sec. (NTSC) 1/1.5 ~ 1/4,000 sec. (PAL)	1/1 ~ 1/10,000 sec. (NTSC) 1/1 ~ 1/10,000 sec. (PAL)	1/2 ~ 1/4,000 sec. (NTSC) 1/1.5 ~ 1/4,000 sec. (PAL)
	Fixed Shutter	N/A	Yes	
	Auto Slow Shutter	N/A	Yes	
	BLC	On / Off		
	AGC	Auto / Manual		
	Auto exposure control	Auto/manual/IRIS OFFSET	Auto/manual/exposure compensation	Auto/manual/IRIS OFFSET
	Exposure compensation	IRIS OFFSET(000~100 steps)	-10.5~+10.5dB (15steps)	IRIS OFFSET(000~100 steps)
	White Balance	Auto / Manual		
	Camera ID	Max. 20 character		
	Number of Privacy Zone	N/A	24	8
	Number of Preset	256 points		
	Auto Iris Control	Auto / manual		
	Sequence Group	8		
	Auto Pan (patrol)	4		
	Schedule	Yes		
	Privacy Mask	N/A	24	8
	WDR	N/A	N/A	Yes
S/N Ratio	S/N Ratio	1		
	S/N Ratio	Better than 49 dB (AGC off)		
PAN/TILT	Manual Speed	Pan	0.6° ~ 80° / sec.	
		Tilt		
	Preset Speed	Pan	5° ~ 400° / sec	
		Tilt		
	Preset Accuracy	Pan	0.225°	
	Tilt	0.45°		
Travel Range	Pan	360° endless		
	Tilt	-10° ~ 100°	-10° ~ 100°(190° in Image Flip mode)	
Video (Compression)	Compression	MPEG-4 ASP Compliant		
	Picture Resolution	Full D1 (720x480 in NTSC, 720x576 in PAL); CIF (352x240 in NTSC, 352x288 in PAL); QCIF (160x112 in NTSC, 176x144 in PAL)		
	Bit Rate	28 K ~ 3M bps		
Video Output	Composite Output	CVBS, 1.0Vp-p with 75 Ω loading, BNC connector		
Alarm	Input	8, TTL, terminal block(optional)		
	Output	1, TTL, terminal block(optional)		
External I/O	Reset Button	Factory default		
Network	LAN Port	Ethernet (10/100Base-T), RJ-45 connector		
	WAN Port	Ethernet (10/100Base-T), RJ-45 connector		
	Protocol	TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP		
Software	Web Browser	Microsoft Internet Explorer 6.0 or above		
	SDK	ActiveX control, C SDK		
	sec.urity	Password protection : configured by the administrator		
Operating	Temperature	0 ~ 40 °C (32 ~ 104 °F)		
Power	Power Requirement	AC 24 V ±20%		
	Power Consumption	30 W		
Physical	Dimensions (ØxH)	131 mm x 226 mm (5.2" x 7.6")		
	Weight	1,600 g (3.5 lb)		



MPEG-4 Real-time IP Outdoor High Speed Dome

CAM-6600

Preliminary



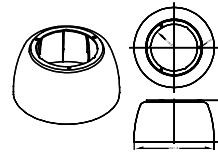
- 1/4" SONY Exview HAD with 440K/380K pixels
- Preset speed up to 400°/sec.
- Digital flip and high speed P/T/Z functions enhance tracking ability
- Pan driver accuracy of 0.225°
- Minimum illumination 0.01Lux
- Weather resistant housing, with IP66 certification
- MPEG-4 ASP compliant compression
- CIF up to Full D1 resolution at 30/25 FPS
- Dual MPEG-4 video stream output via LAN and WAN (PPPoE supported) ports at the same time
- QoS enabled (L3) video streaming
- Remote Pan/Tilt/Zoom control
- Vandal proof (optional)

Housing



- 69-DH8001CA1 (Clear bubble cover, non-vandal)
- 69-DH8001CS1 (Smoke bubble cover, non-vandal)
- 69-DH8001CV1 (Clear bubble cover, vandal)

Sunshield



61-DH810101A1 (801 sunshield)

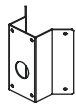
Others



69-77H071PD13 (Power box 110)

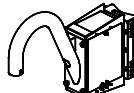
OR

Corner mount



D77H05-CST (Corner standard mounting)

Pole thin mount



D77H05-PTB (Pole thin box mounting)

Pole wide mount

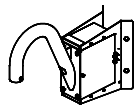


D77H05-PWB (Pole wide box mounting)



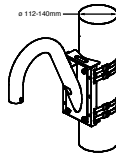
69-77H071PD23 (Power box 220)

OR

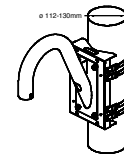


D77H05-CTB (Corner thin box)

OR



D77H05-PTD (Pole thin direct mount)

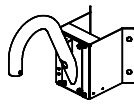


D77H05-PWD (Pole wide direct mount)



90-D77H05AT02 (Cutting tool)

OR



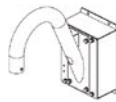
D77H05-CWB (Corner wide box)

Wall mount



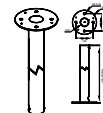
D77H03-BW (Gooseneck tube)

OR



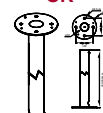
D77H05-WBM (Wall box mounting)

Hard ceiling mount



D77H03-2W (Straight tube 50 cm)

OR



D77H03-1W (Straight tube 25 cm)



69-77H071C00 (Connector box)

**PRODUCT SPECIFICATION**

Image	
Device	Exview HAD CCD
Size	1/4 inch
Effective Pixels (HxV)	768x494 (NTSC) 752x582 (PAL)
Horizontal Resolution	470 TVL (NTSC); 460 TVL (PAL)
Min. scene Illumination	
Color	0.7 Lux (F1.4, 1/60s(NTSC) or 1/50s(PAL))
B/W	0.01 Lux or less (F1.4, 1/4s(NTSC) or 1/3s(PAL), IR ON)
Lens	
Focal Length	4.1 ~ 73.8 mm
Zoom Ratio	18X
Aperture Ratio	F1.4(Wide), F3.0(Tele)
Diagonal angle	48°(W) ~ 2.8°(T)
Zoom Speed	2.1sec (1x to 18x)
Digital Zoom	X1 ~ X12 variable
Synchronization	
Sync. System	Internal / line lock
Day/Night Functions	
Day/Night Switching	IR cut filter
Functions	
Motion Detection	Yes
Electronic shutter	1/1 ~ 1/10,000 sec. (NTSC) 1/1 ~ 1/10,000 sec. (PAL)
Fixed Shutter	Yes
Auto Slow Shutter	Yes
BLC	On / Off
AGC	Auto / Manual
Auto exposure control	Auto/manual/exposure compensation
Exposure compensation	-10.5~+10.5dB (15 steps)
White Balance	Auto / manual
Camera ID	Max. 20 characters
Number of Privacy Zone	24
Number of Preset	256 points
Auto Iris Control	Auto / manual
Sequence group	8
Auto pan (patrol)	4
Schedule	Yes
Privacy mask	24
Cruise	1
S/N Ratio	
S/N Ratio	Better than 49 dB (AGC off)

PAN/TILT		
Manual Speed	Pan	0.6° ~ 80° / sec.
	Tilt	
Preset Speed	Pan	5° ~ 400° / sec.,
	Tilt	5° ~ 400° / sec.,
Preset Accuracy	Pan	0.225°
	Tilt	0.45°
Travel Range	Pan	360° endless
	Tilt	-10° ~ 100° (190° in Image Flip mode)
Video (Compression)		
Compression	MPEG-4 ASP Compliant	
Picture Resolution	Full D1 (720 x 480 in NTSC, 720 x 576 in PAL) CIF (352 x 240 in NTSC, 352 x 288 in PAL) QCIF (160 x 112 in NTSC, 176 x 144 in PAL)	
Bit Rate	28 K ~ 3M bps	
Video Output		
Composite Output	CVBS, 1.0Vp-p with 75 Ω loading, BNC Connector	
Alarm		
Input	8, TTL, terminal block (optional)	
Output	1, TTL, terminal block (optional)	
External I/O		
Reset Button	Factory default	
Network		
LAN Port	Ethernet (10/100Base-T), RJ-45 connector	
WAN Port	Ethernet (10/100Base-T), RJ-45 connector	
Protocol	TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP	
Software		
Web Browser	Microsoft Internet Explorer 6.0 or above	
SDK	ActiveX control, C SDK	
Security	Password protection : configured by the administrator	
Operating		
Temperature	-20 ~ 50 °C (-4 ~ 122 °F)	
Power		
Power Requirement	AC 24 V ±20%	
Power Consumption	52 W	
Physical		
Dimensions (ØxH)	233.5 mm x 305 mm (9.2"x12")	
Weight	5,800 g (12.9 lb)	