

## Enterprise NVRs

	H.265 NVR	
Model	NVR-2500	NVR-2516P



	1 x 10/100/1000BASE-T	1 x 10/100/1000BASE-T
LAN Ports	1 x RJ45, 10/100/1000BASE-T	2 x 10/100/1000Mbps
PoE	N/A	16 x 10/100BASE-TX
PoE Extend	N/A	●
Hard Drive	2 x 3.5" SATA HDD	4 x 3.5" SATA HDD
e-SATA	N/A	●
USB	2	2
DI/DO	N/A	16/4
RS485	N/A	●
Two-way Audio	●	●
Video Output	HDMI (4K), VGA (1920 x 1080)	HDMI, VGA (1920 x 1200)
Max. Channels	25	25
Incoming Bandwidth	120 Mbps	120 Mbps
Video Compression	H.264/H.265/H.264+/H.265+	H.264
Video Resolution	4K, 5MP, 4MP, 3MP, 1080P, 960P, 720P, D1	5M, 3M, Full HD, SXGA, VGA, QVGA
Playback Search Mode	ALL, Channel, Manual, Time, Date, Motion Detection, and Event Alarm	
Smart Event (With AI Camera)	Face, Line Crossing, Regional Intrusion, Loitering and People Gathering	
Basic Event	Motion Detection, Video Loss, No Disk, Disk Error, Broken network and IP conflict	
Alarm	Buzzer, Channel Recording, E-mail, and Screen Display	
Web Brower	IE8-11, Google Chrome, Firefox, Mac Safari	
PTZ Control	●	●
Streaming Capability	●	●
Multi-Language	●	●
Auto-Configuraiton Planet IP CAM	●	●
Multi-brand IP CAM support	●	●
ONVIF	●	●
Mobile Apps	● (Android, IOS with P2P QR code)	● (iOS/Android)
CMS	● (PVMS)	● (PVMS)

	H.264 NVR	
Model	NVR-820	NVR-E6480



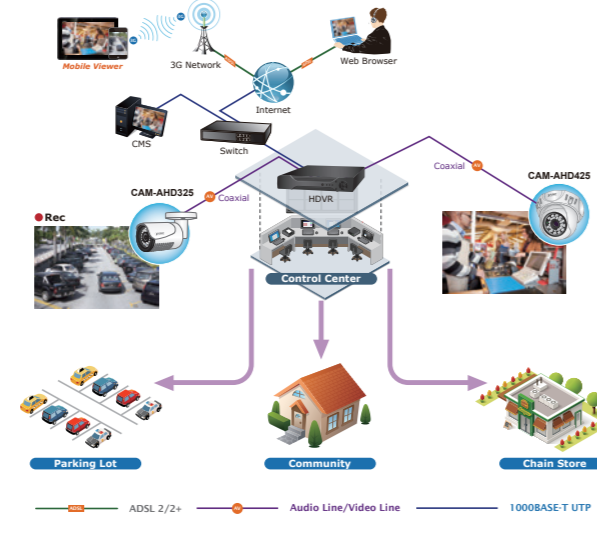
	1 x RJ45, 10/100/1000BASE-T	2 x 10/100/1000Mbps
LAN Ports	1 x RJ45, 10/100/1000BASE-T	2 x 10/100/1000Mbps
Hard Drive	2 x 3.5" SATA II HDD	8 x 3.5" SATA HDD
RAID	-	Software RAID 0,1
e-SATA	-	●
USB	2	6
Database Backup	●	●
DI/DO	-	-
Two-way Audio (G.711/G.726)	●	●
Video Output	HDMI, VGA (1920 x 1080)	HDMI, VGA (1920 x 1200)
Video Channels	8	64 (H.264+ only mode), 32 (H.264+/H.264 mixed mode)
Video Split Mode	1, 4, 6, 9, Full Screen	Local: 1, 4, 5, 6, 8, 9, 10, 12, 16 Remote: 1, 4, 5, 6, 8, 9, 10, 12, 16, 18, 24, 25, 35, 36, 48, 49, 64
Video Compression	H.264 / MPEG-4 / M-JPEG	H.264
Video Resolution	5MP, 3MP, 1080p, 720p, FD1, CIF, QCIF	5M, 3M, Full HD, SXGA, VGA, QVGA
Max. Live Video Frame Rate	240fps@720p (8-ch), 120fps@1080p (4-ch), 80fps@3MP (2-ch)	Max. 1920fps in total; max. 30fps per camera
Max. Bitrate	100Mbps	300Mbps
ONVIF	●	●
Auto-Configuration Planet IP CAM	●	●
Power Loss Recovery	●	●
Multi-Language	●	●
E-Map	●	●
Dual Stream	●	●
PTZ Control	●	●
Multi-Monitor	●	●
Mobile Apps	● (iOS/Android)	● (iOS/Android)
Event Trigger	●	●
Intelligent Video (with CMS/Camera)	● (with camera & CMS)	Motion, Tampering, License Plate Recognition, Line Crossing, Enter Area, Missing Object, Unattended Object, Object Counting, People Counting
CMS	CV3-M256	CV7-M64, CV7-LP, CV7-VA

## Analog Cameras

	Analog Cameras	
Model	CAM-AHD325	CAM-AHD425



	CAM-AHD325	CAM-AHD425
Resolution	1080p	1080p
Hybrid Signal	AHD/TVI/CVI/CVBS	
Sensitivity	0 lux with built-in IR LED	
Sensor	1/2.8" Sony CMOS sensor	
Lens	3.6mm/F1.2	3.6mm/F1.2
IR Distance	30 meters	20 meters
WDR	D-WDR	D-WDR
Day and Night	IRC switch	IRC switch
Digital Noise Reduction	2DNR/3DNR	2DNR/3DNR
Water Resistance	IP66	IP65



## Hybrid DVRs

	Retail		
Model	HDVR-830	HDVR-435	HDVR-1635

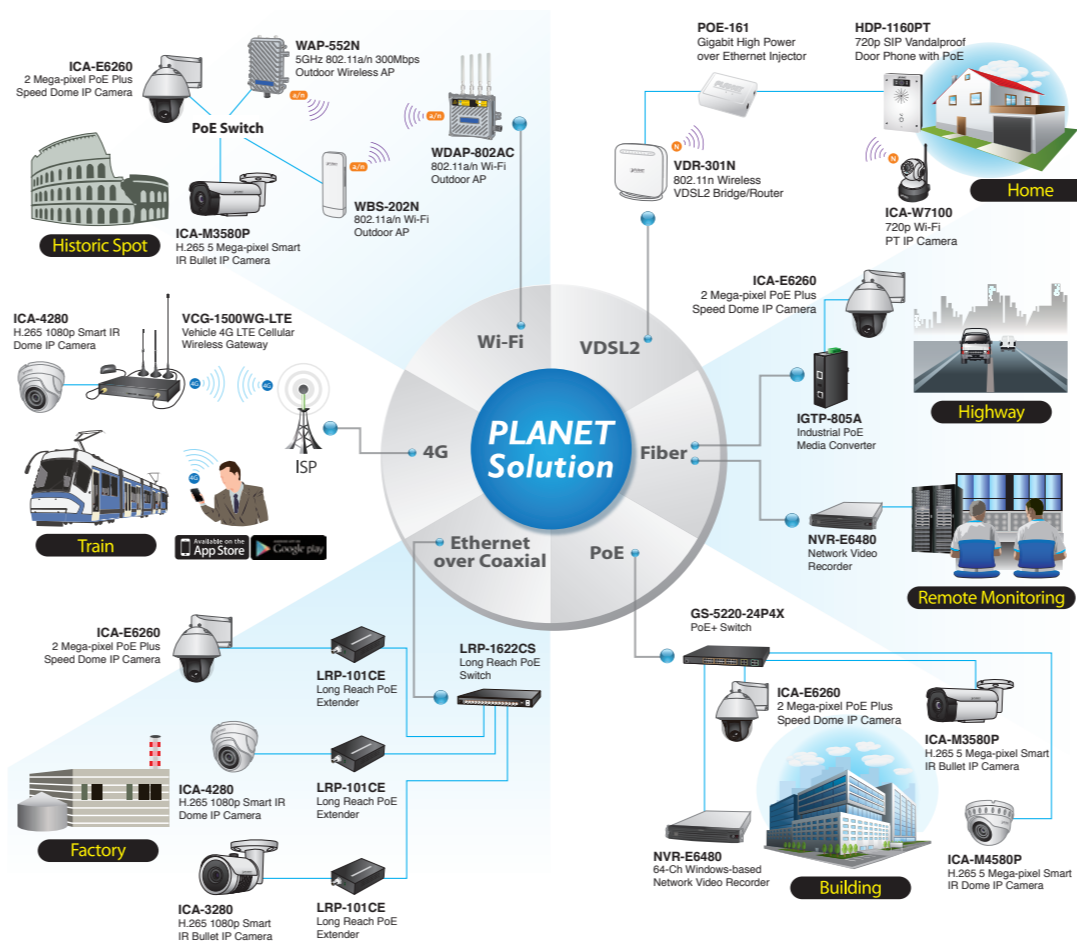


	1 x RJ45, 10/100BASE-TX	1 x RJ45, 10/100BASE-TX
LAN Ports	1 x RJ45, 10/100BASE-TX	1 x RJ45, 10/100BASE-TX
Hard Drive	1 x 3.5" SATA HDD (max. 4TB)	1 x 3.5" SATA HDD (max. 6TB)
BNC Interface	8	4
Video Interface	HDMI, VGA	HDMI, VGA, BNC
Audio Interface	4 x audio-in, 1 x audio-out	4 x audio-in, 1 x audio-out
USB Interface	2 x USB 2.0 for backup device and mouse	
Video Compression	H.264	H.264, H.265
Video Signal	AHD, CVBS, IP	5-in-1 (AHD, TVI, CVI, CVBS, IP)
Resolution	IP camera: 1080p, 720p Analog camera: AHD-M (720p), AHD-L (960H), D1, HD1, CIF	4 x audio-in, 1 x audio-out 2 x USB 2.0 for backup device and mouse H.264, H.265 5-in-1 (AHD, TVI, CVI, CVBS, IP)
Encode Capacity	8-ch AHD, 8-ch D1, 8-ch HD1	4 x 1080p@15fps 16 x 1080p@15fps
Decode Capacity	1-ch AHD, 1-ch D1, 8-ch HD1	4 x 1080p@15fps 16 x 1080p@15fps
Hybrid Mode	Analog: 8-ch AHD-M, 8-ch AHD-L Analog + IP: 4-ch AHD-M + 4-ch 720p IP: 8-ch 720p, 2-ch 1080p, 2-ch 720p	Analog: 4-ch 1080p Analog + IP: 2-ch + 2-ch 1080p IP: 4-ch 1080p
Audio Type	Two-way (G.711)	Two-way (G.711)
Display Division	1, 4	1, 4, 8, 9
Display Quality	1920 x 1080, 1440 x 900, 1280 x 1024, 1280 x 720, 1024 x 768	
Additional Camera	Manual, Smart Camera Search	
Record	Manual, Alarm, Motion Detection, Schedule	
Local Playback	●	●
Power Loss Recovery	●	●
Event Type	System Events: No Disk, Disk Error, Disk Full, Net Loss, IP Conflict Camera Events: Motion Detection, Video Blind, Video Loss, Alarm Input, Alarm Output	
Event Action	Show Message, Buzzer, Send e-mail, FTP Upload	
Snapshot	●	●
PTZ Control	● (RS485)	● (RS485)
Cloud P2P	-	● (QR Code)
Mobile Apps	● (iOS, Android)	● (iOS, Android)
PLANET DDNS	●	●
CMS	●	●
ONVIF	●	●



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## All-Inclusive IP Surveillance Solution



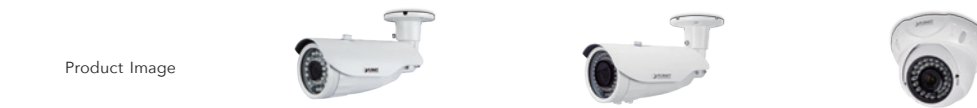
## IP SURVEILLANCE

Security Monitoring with Total IP Solution



## H.265 IP Cameras

	Bullet	Dome
Model	ICA-3250	ICA-4460V



	ICA-3250	ICA-3460V	ICA-4460V
Product Image			
Sensor Type	1/2.8" Sony Exmor Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS
Sensor size in megapixel	2	4	4
Lens Type	f=3.6mm / F1.2	Vari-focal 2.8-12mm, F1.2	Vari-focal 2.8-12mm, F1.2
View Angle	H: 74° V: 55°	H: 27°-90° V: 27°-90°	H: 27°-90° V: 27°-90°
Sensibility (Lux)	0.01 Lux (Color) 0 Lux (B/W)	0.01 Lux (Color) 0 Lux (B/W)	0.01 Lux (Color) 0 Lux (B/W)
Shutter Time	1/25~1/10000 sec	1/25~1/10000 sec	1/25~1/10000 sec
IR LED	24 (850nm)	48 (850nm)	36 (850nm)
IR Effective Distance	20 meters	30~45 meters	20~40 meters
ICR (IR-cut Removable)	●	●	●
Image Compression	H.265/H.264	H.265/H.264	H.265/H.264
Resolution	1920x1080 to 352x288	2592x1520 to 176x144	2592x1520 to 176x144
Frame Rate	Up to 30fps for all resolutions		Up to 30fps for all resolutions
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio
Pan/Tilt/Zoom	Digital Zoom	Digital Zoom	Digital Zoom
PoE	IEEE 802.3af (Class 3)	IEEE 802.3af (Class 3)	IEEE 802.3af (Class 3)
Waterproof	IP66	IP66	IP66
ONVIF	●	●	●
WDR	●	●	●
PLANET DDNS	●	●	●
Multi-view Streaming	●	●	●
Intelligent Video	Motion Detection with Alarm Events (via FTP, email and HTTP)		
Image Setting	Brightness, saturation, contrast, Mirror/Rotate, Privacy mask (4 regions), Text, time and date overlay		
Cable Management	●	●	●
Operating Temperature	-10°C to 50°C	-10°C to 55°C	-15°C to 55°C
Mobile Apps	● (iOS/Android)	● (iOS/Android)	●

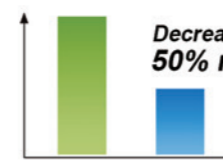
## Crystal Clear Surveillance with Triple Streaming Outputs



### Longer Recording Time



### Less Bandwidth



	Bullet			Dome		
Model	ICA-3280	ICA-A3280	ICA-M3580P	ICA-4280	ICA-A4280	ICA-M4580P



	ICA-3280	ICA-A3280	ICA-M3580P	ICA-4280	ICA-A4280	ICA-M4580P
Image Sensor	1/2.9" Full HD CMOS Sensor	1/2.8" Sony STARVIS back-illuminated CMOS sensor	1/2.9" Full HD CMOS Sensor	1/2.9" Full HD CMOS Sensor	1/2.8" Sony STARVIS back-illuminated CMOS sensor	1/2.8" Sony STARVIS back-illuminated CMOS sensor
Effective Pixels	1080P@30fps, 3M@20fps	1080P@30fps, 3M@20fps	5M@20fps, 4M@25fps	1080P@30fps, 3M@20fps	1080P@30fps, 3M@20fps	5M@20fps, 4M@25fps
IR LED Distance	Distance up to 25 m	Distance up to 25 m	Distance up to 40 m	Distance up to 25 m	Distance up to 25 m	Distance up to 30 m
Focal Length	3.6 mm Fixed-focal	3.6 mm Fixed-focal	2.7-13.5mm Motorized	3.6 mm Fixed-focal	3.6 mm Fixed-focal	2.7-13.5mm Motorized
Angle of View	H: 75°, V: 58°	H:80°, V: 62°	H:24~90°, V: 17~74°	H: 75°, V: 58°	H:80°, V: 62°	H:24~90°, V: 17~74°
Compression	H.264/H.264+, H.265/H.265+, JPEG/M-JPEG			H.264/H.264+, H.265/H.265+, JPEG/M-JPEG		
Streaming Capability	2 Streams	3 Streams	3 Streams	2 Streams	3 Streams	3 Streams
Noise Reduction	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR
WDR	●	●	●	●	●	●
Starlight	●	●	●	●	●	●
Smart IR	●	●	●	●	●	●
Smart Event	-	Face Recognition Intrusion detection Line Cross detection Loiter detection People Gather detection	-	-	Face Recognition Intrusion detection Line Cross detection Loiter detection People Gather detection	-
Basic Event	Motion detection Network disconnected IP address conflict	Motion detection Video tampering Network disconnected IP address conflict	Motion detection Video tampering Network disconnected IP address conflict	Motion detection Video tampering Network disconnected IP address conflict	Motion detection Video tampering Network disconnected IP address conflict	Motion detection Video tampering Network disconnected IP address conflict
Interoperability	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Web Browser	IE8~11, Google Chrome, Firefox, Mac Safari			IE8~11, Google Chrome, Firefox, Mac Safari		
Multi-Language	●	●	●	●	●	●
DDNS	● (PLANET/Easy DDNS)	● (PLANET/Easy DDNS)	● (PLANET/Easy DDNS)	● (PLANET/Easy DDNS)	● (PLANET/Easy DDNS)	● (PLANET/Easy DDNS)
Management Software	● (PVMS)	● (PVMS)	● (PVMS)	● (PVMS)	● (PVMS)	● (PVMS)
Smart Phone	● (Android, iOS with P2P QR code)			● (Android, iOS with P2P QR code)		
Audio Capability	One-Way Audio	Two-Way Audio	One-Way Audio	One-Way Audio	Two-Way Audio	One-Way Audio
Micro SD	-	●	-	-	●	-
RS485	-	●	-	-	●	-
Alarm	-	●	-	-	●	-
PoE	●	●	●	●	●	●
Cable Management	●	●	●	-	-	-
Operating Conditions	-20° C to +60° C	-20° C to +60° C	-20° C to +60° C	-20° C to +60° C	-20° C to +60° C	-20° C to +60° C
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67

## The AI-designed Camera that Leaves No Person/Intruder Unchecked

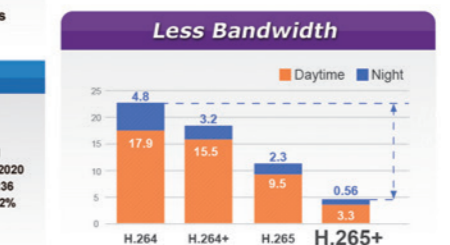


### Face Detection

Age: 55  
Gender: Male  
Glasses: No  
Hair: No  
Moustache: Yes

### Face Recognition

Name: David  
Data: 04/28/2020  
Time: 09:55:36  
Similarity: 92%



## 2 Mega-pixel IP Cameras with Extended Support

	P/T/Z		P/T
Model	ICA-E6260	ICA-HM620	ICA-W7100



	ICA-E6260	ICA-HM620	ICA-W7100
Product Image			
Sensor Type	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/4" Progressive CMOS
Lens Type	f = 4.5-148.5mm/F1.6-5.0	f = 4.7-94mm/F1.6-5.0	f = 3.6mm/F1.4
View Angle	H:3°-69.3°	H:5.2°-55.2°	H: 75° V: 55°
Sensibility (Lux)	0.1 lux (color) 0.05 lux (B/W)	0.3 lux (color) 0.04 lux (B/W)	0.1 Lux (Color) 0 Lux (B/W)
IR LED	-	-	11 (850nm)
IR Effective Distance	-	-	10 meters
ICR (IR-cut Removable)	●	●	●
Image Compression	H.264/MJPEG	H.264/MJPEG	H.264
Max Resolution	1920 x 1080 (60fps) 1280 x 720 (60fps)	1920 x 1080 (30fps) 1280 x 720 (60fps)	1280 x 720 (30fps)
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio, built-in Mic
Pan/Tilt/Zoom	●	●	0 - 355° / 0 - 90° / Digital Zoom
Zoom Ratio	33x Optical	20x Optical	-
PoE	IEEE 802.3at/AC 24V	IEEE 802.3at/AC 24V	-
Wireless Interface	-	-	●
Waterproof	IP67	IP66	-
Vandalproof	IK9	-	-
IP66	●	-	-
ONVIF	●	●	●
WDR	●	●	●
3DNR	●	●	-
DI/DO	4/2	4/2	1/1
Intelligent Video	Motion, Tampering, Shock, PTZ Auto Tracking	Motion	Motion
On-board Storage	mSDHC card slot	mSDHC card slot	mSD/SDHC card slot
Operating Temperature	-40°C~55°C	-45°C~55°C	-10°C to 50°C
Extended Software	CV7-LP, CV7-VA	-	-