Tsact

2015

ULTRA HD

TOTAL SECURITY SOLUTION

SECURITY SOLUTION NO.1

UHD TOTAL PRODUCT LINE-UP

4K UHD CAMERA

IR DOME CAMERA

TDIR-UHD-9006VF 5

12Megapixel, Motorized 3.0~8.0mm Lens, 6 IR LED, DC12V/AC24V/PoE, ONVIF, 64GB SD Card

IR VANDAL PROOF DOME CAMERA

TDIR-UHD-9106VF 6

12Megapixel, Motorized 3.0~8.0mm Lens, 6 IR LED, DC12V/AC24V/PoE, ONVIF, IP66, IK10, 64GB SD Card

IR BULLET CAMERA

TIR-UHD-5006VF 7

12Megapixel, Motorized 3.0~8.0mm Lens, 6 IR LED, DC12V/AC24V/PoE, ONVIF, IP66, 32GB SD Card

BOX CAMERA

TSC-UHD-4000 8

12Megapixel, C/CS Lens, DC12V/AC24V/PoE, ONVIF, 64GB SD Card

UHD NVR

UHD NVR

TNVR-UHD-1004 9

H.264, 4ch, 120fps (3840x2160 UHD), Internal HDD Max. 32TB, 2 USB, DVD RW

TNVR-UHD-1008 9

H.264, 8ch, 240fps (3840x2160 UHD), Internal HDD Max. 32TB, 2 USB, DVD RW

TNVR-UHD-1016 10

H.264, 16ch, 4K UHD, Internal HDD Max. 64TB, 4USB

TNVR-UHD-1032 10

H.264, 32ch, 4K UHD, Internal HDD Max. 64TB, 4USB

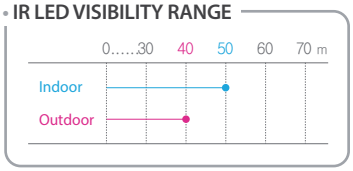
TNVR-UHD-1064 10

H.264, 64ch, 4K UHD, Internal HDD Max. 64TB, 4USB

4K UHD 6 HIGH POWER IR LED NETWORK MINI DOME CAMERA

TDIR-UHD-9006VF

• IR LED VISIBILITY RANGE

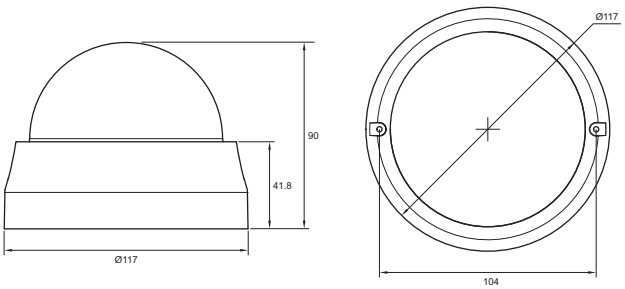


KEY FEATURES

- 1/1.7" 12Megapixel SONY Progressive Scan CMOS Sensor (IMX226)
- Ambarella S2 IP Camera Processor
- 4K (8Megapixel) High Resolution
- Megapixel AF Motorized Lens f=3.0~8.0mm
- High Performance High Power IR LED 6ea
- True Day & Night (ICR)
- 2D+3D DNR (Digital Noise Reduction)
- WDR (Wide Dynamic Range)
- White Balance
- Smart IR
- Motion Detection
- Text Overlay and Privacy Masks
- Low Latency Streaming
- Low Power Consumption on Encoding
- Quad Codec Support
  (H.264 Baseline / Main Profile / High Profile / SVC + MJPEG)
- Quad Streams Support
- Tampering Alarm
- Network Failure Detection
- ONVIF Profile S Support
- Remote Zoom & Focus
- 64GB Micro SD Support
- Triple Power Support (PoE / DC 12V / AC 24V)

DIMENSIONS

Unit : mm



SPECIFICATIONS

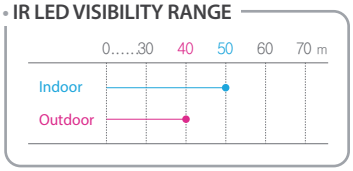
TDIR-UHD-9006VF			
Camera	Image Sensor		1/1.7" SONY Progressive CMOS Image Sensor (IMX226)
	Effective Pixels		12Megapixels
	Min. Illumination		Color : 0.05Lux / BW : 0.005Lux
	Lens		Megapixel AF Motorized Lens f=3.0~8.0mm
	Angle of View		109° (Wide) ~ 33° (Tele)
	IR LED		6ea (850nm High-power / Working Distance : Up to 40m)
	Shutter Speed		1 ~ 1/10,000sec
	Iris Control		DC-Iris / P-Iris
	BLC		On / Off
	White Balance		Auto / Manual / ATW / One Push
	DNR		3DNR / 2DNR / Color NR
	WDR		Gamma WDR On / Off
	Brightness		Manual
	Exposure		Auto / Manual
	Sharpness		Manual
	Contrast		Manual
	Saturation		Manual
	Hue		Manual
	Digital Zoom		Support
	Motion Detection		On / Off / By Schedule
	Privacy Mask		On / Off
	Privacy Mask Type		Color
	ICR + IR LED		Auto / Night / Day / LED On / LED Off / Smart IR / Light Sensor
	IR Threshold		Adjustable Levels
	Tampering Alarm		On / Off / By Schedule
	Two-way Audio		Line In / Line Out
	Audio Compression		G.711 / G.726 / AAC / LPCM
Network	Interface		RJ-45, 1Gbps Ethernet
	Video Compression		MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile / SVC
	Video Streaming	Single	H.264 4K2K (3840x2160)@25/30fps
		Dual	H.264 1080P@50/60fps + H.264 1080P@25/30fps Note : 1 of the streamings can be MJPEG
		Quad	H.264 1080P@50/60fps + H.264 SXGA@25/30fps + H.264 720P@25/30fps + H.264 D1@25/30fps Note : 1 of the streamings can be MJPEG
	Video Resolution	H.264	4K2K (3840x2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
		MJPEG	Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
	Protocol		IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF
	Security		HTTPS / IP Filter / IEEE 802.1X
	Alarm Input		1Set (5V 10kΩ pull up)
	Alarm Output		1Set (Photo Relay Output 300V DC/AC)
	Event Notification		HTTP / FTP / SMTP
	Micro SD		Micro SDHC 64GB Support
	Web Browser		Internet Explorer (6.0+) / Chrome / Firefox / Safari
	User Account		20
	Password Levels		User and Administrator
General	OSD Languages		English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese
	Operating Temperature		-10°C ~ 50°C / 14°F ~ 122°F
	Operating Humidity		10% ~ 90%, No Condensation
	Power Source		DC 12V / AC 24V / PoE
	Dimension		117(Ø) x 90(H)mm / 4.6(Ø) x 3.54(H)"
	Weight		Appx. 370g / 0.81lb
	Regulatory		CE / FCC

• Design and specification are subject to change without notice.

4K UHD 6 HIGH POWER IR LED NETWORK MINI VANDAL PROOF DOME CAMERA

TDIR-UHD-9106VF

• IR LED VISIBILITY RANGE

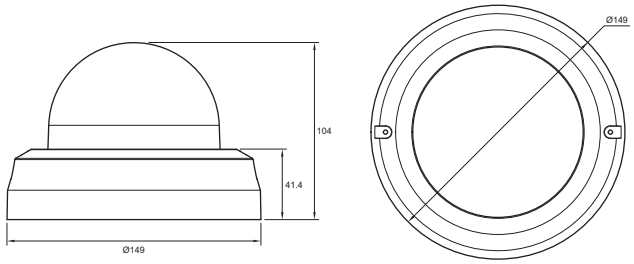


KEY FEATURES

- 1/1.7" 12Megapixel SONY Progressive Scan CMOS Sensor (IMX226)
- Ambarella S2 IP Camera Processor
- 4K (8Megapixel) High Resolution
- Megapixel AF Motorized Lens f=3.0~8.0mm
- High Performance High Power IR LED 6ea
- True Day & Night (ICR)
- 2D+3D DNR (Digital Noise Reduction)
- WDR (Wide Dynamic Range)
- White Balance
- Multi-exposure HDR (Multi-exposure Sensor is required / Option)
- Smart IR
- Motion Detection
- Text Overlay and Privacy Masks
- Low Latency Streaming
- Low Power Consumption on Encoding
- Quad Codec Support
  (H.264 Baseline / Main Profile / High Profile / SVC + MJPEG)
- Quad Streams Support
- Tampering Alarm
- Network Failure Detection
- ONVIF Profile S Support
- Analog Video Output (BNC)
- IP66 Weatherproof
- IK10 Vandal Proof Case
- 64GB Micro SD Support
- Triple Power Support (PoE / DC 12V / AC 24V)

DIMENSIONS

Unit : mm



SPECIFICATIONS

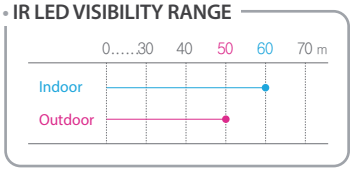
TDIR-UHD-9106VF			
Camera	Image Sensor		1/1.7" SONY Progressive CMOS Image Sensor (IMX226)
	Effective Pixels		12Megapixels
	Min. Illumination		Color : 0.05Lux / BW : 0.005Lux
	Lens		Megapixel AF Motorized Lens f=3.0~8.0mm
	Angle of View		109° (Wide) ~ 33° (Tele)
	IR LED		6ea (850nm High-power / Working Distance : Up to 40m)
	Shutter Speed		1 ~ 1/10,000sec
	Iris Control		DC-Iris / P-Iris
	BLC		On / Off
	White Balance		Auto / Manual / ATW / One Push
	DNR		3DNR / 2DNR / Color NR
	WDR		Gamma WDR On / Off
	Brightness		Manual
	Exposure		Auto / Manual
	Sharpness		Manual
	Contrast		Manual
	Saturation		Manual
	Hue		Manual
	Digital Zoom		Support
	Motion Detection		On / Off / By Schedule
	Privacy Mask		On / Off
	Privacy Mask Type		Color
	ICR + IR LED		Auto / Night / Day / LED On / LED Off / Smart IR / Light Sensor
	IR Threshold		Adjustable Levels
	Tampering Alarm		On / Off / By Schedule
	Two-way Audio		Line In / Line Out
	Audio Compression		G.711 / G.726 / AAC / LPCM
Network	Interface		RJ-45, 1Gbps Ethernet
	Video Compression		MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile / SVC
	Video Streaming	Single	H.264 4K2K (3840x2160)@25/30fps
		Dual	H.264 4K2K (3840x2160)@20fps + H.264 1080P@20fps or H.264 1080P@50/60fps + H.264 1080P@25/30fps Note : 1 of the 2M or under streamings can be MJPEG
		Quad	H.264 1080P@50/60fps + H.264 SXGA@25/30fps + H.264 720P@25/30fps + H.264 D1@25/30fps Note : 1 of the streamings can be MJPEG
	Video Resolution	H.264	4K2K (3840x2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
		MJPEG	Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
	Protocol		IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF
	Security		HTTPS / IP Filter / IEEE 802.1X
	Alarm Input		1Set (5V 10kΩ pull up)
	Alarm Output		1Set (Photo Relay Output 300V DC/AC)
	Event Notification		HTTP / FTP / SMTP
	Micro SD		Micro SDXC 64GB Support
	Web Browser		Internet Explorer (6.0+) / Chrome / Firefox / Safari
	User Account		20
	Password Levels		User and Administrator
General	OSD Languages		English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese
	Operating Temperature		-10°C ~ 50°C / 14°F ~ 122°F W/ Heater, powered by DC 12V / AC 24V / PoE : -40°C ~ 50°C / -40°F ~ 122°F
	Operating Humidity		10% ~ 90%, No Condensation
	IP Rating		IP66 (Weatherproof)
	Power Source		DC 12V / AC 24V / PoE (802.3af)
	Power Consumption		TBD
	Dimension		149(Ø) x 104(H)mm / 5.87(Ø) x 4.09(H)"
	Weight		Appx. 500g / 1.1lb
	Regulatory		CE / FCC

• Design and specification are subject to change without notice.

4K UHD 6 HIGH POWER IR LED NETWORK BULLET CAMERA

TIR-UHD-5006VF

• **IR LED VISIBILITY RANGE**

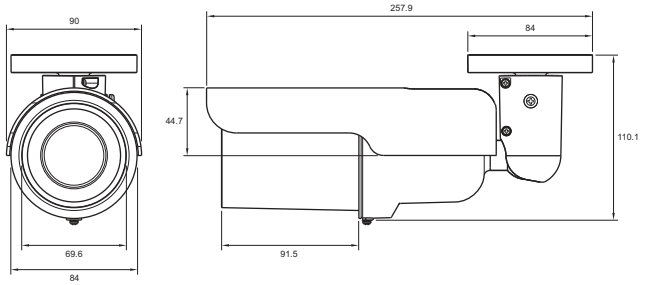


KEY FEATURES

- 1/1.7" 12Megapixel SONY Progressive Scan CMOS Sensor (IMX226)
- Ambarella S2 IP Camera Processor
- 4K (8Megapixel) High Resolution
- Megapixel AF Motorized Lens f=3.0~8.0mm
- High Performance High Power IR LED 6ea
- True Day & Night (ICR)
- 3D DNR (Digital Noise Reduction)
- WDR (Wide Dynamic Range)
- White Balance
- Smart IR
- Motion Detection
- Text Overlay and Privacy Masks
- DIS (Digital Image Stabilization)
- Quad Streams Compression
  (H.264 Baseline / Main / High Profile / MJPEG)
- Multiple and Dynamic ROI Windows
- Tampering Alarm
- Network Failure Detection
- ONVIF Support
- Remote Zoom & Focus
- IP66 Weatherproof
- Integrated Mounting Bracket with Cable Management
- 32GB Micro SD Support
- Triple Power Support (PoE / DC 12V / AC 24V)

DIMENSIONS

Unit : mm



SPECIFICATIONS

TIR-HD5006VF			
Camera	Image Sensor		1/1.7" SONY Progressive CMOS Image Sensor (IMX226)
	Effective Pixels		12Megapixels
	Min. Illumination		Color : 0.05Lux / BW : 0.005Lux
	Lens		Megapixel AF Motorized Lens f=3.0~8.0mm
	Angle of View		109° (Wide) ~ 33° (Tele)
	IR LED		6ea (850nm High-power / Working Distance : Up to 50m)
	Shutter Speed		1 ~ 1/10,000sec
	Iris Control		DC-Iris / P-Iris
	BLC		On / Off
	White Balance		Manual / AWB / ATW
	3D DNR		Low / Middle / High / Off
	WDR		Gamma WDR On / Off
	Brightness		Manual
	Exposure		Auto / Manual
	Sharpness		Manual
	Contrast		Manual
	Saturation		Manual
	Hue		Manual
	Digital Zoom		Support
	Motion Detection		On / Off / By Schedule
	Privacy Mask		On / Off
	Privacy Mask Type		Color
	ICR + IR LED		Auto / LED On / LED Off / Smart IR / Light Sensor
	Tampering Alarm		On / Off / By Schedule
	DIS		On / Off
	Two-way Audio		Line In / Line Out
	Audio Compression		G.711 / G.726
Network	Interface		RJ-45, 1Gbps Ethernet
	Video Compression		MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile / SVC
	Video Streaming	Single	H.264 4K2K (3840x2160)@25/30fps
		Dual	H.264 1080P@50/60fps + H.264 1080P@25/30fps Note : 1 of the streamings can be MJPEG
		Quad	H.264 1080P@50/60fps + H.264 SXGA@25/30fps + H.264 720P@25/30fps + H.264 D1@25/30fps Note : 1 of the streamings can be MJPEG
	Video Resolution	H.264	4K2K (3840x2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
		MJPEG	Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
	Protocol		IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP
	Security		HTTPS / IP Filter / IEEE 802.1X
	Alarm Input		1Set (5V 10kΩ pull up)
	Alarm Output		1Set (Photo Relay Output 300V DC/AC)
	Event Notification		HTTP / FTP / SMTP
	Micro SD		Micro SDHC 32GB Support
	Web Browser		Internet Explorer (6.0+) / Chrome / Firefox / Safari
	User Account		20
	Password Levels		User and Administrator
General	OSD Languages		English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese
	Operating Temperature		-10°C ~ 50°C / 14°F ~ 122°F W/ Heater, powered by DC 12V / AC 24V / PoE : -40°C ~ 50°C / -40°F ~ 122°F
	Operating Humidity		10% ~ 90%, No Condensation
	IP Rating		IP66 (Weatherproof)
	Power Source		DC 12V / AC 24V / PoE
	Power Consumption		TBD
	Dimension		90(W) x 110.1(H) x 257.9(D)mm / 3.54(W) x 4.33(H) x 10.15(D)"
	Weight		Appx. 940g / 2.07lb
	Regulatory		CE / FCC / RoHS / LVD

• Design and specification are subject to change without notice.

4K UHD NETWORK BOX CAMERA

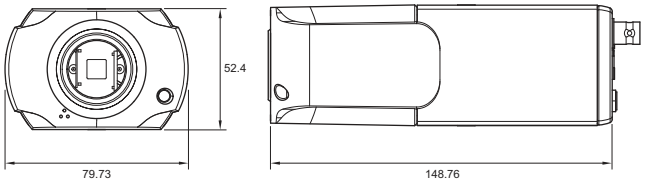
TSC-UHD-4000

KEY FEATURES

- 1/1.7" 12Megapixel SONY Progressive Scan CMOS Sensor (IMX226)
- Ambarella S2 IP Camera Processor
- ARM Cortex-9
- 4K (8Megapixel) High Resolution
- Megapixel C/CS Mount Lens
- Auto Back Focus (ABF)
- 3D DNR (Digital Noise Reduction)
- WDR (Wide Dynamic Range)
- White Balance
- Motion Detection
- Text Overlay and Privacy Masks
- Quad Streams Compression
  (H.264 Baseline / Main / High Profile / MJPEG)
- Multiple and Dynamic ROI Windows
- Tampering Alarm
- ONVIF Profile S Conformance
- Analog Output (BNC)
- 64GB Micro SD Support
- Triple Power Support (PoE / DC 12V / AC 24V)

DIMENSIONS

Unit : mm



SPECIFICATIONS

TSC-UHD-4000			
Camera	Image Sensor		1/1.7" SONY Progressive CMOS Image Sensor (IMX226)
	Effective Pixels		12Megapixels
	Min. Illumination		Color : 0.05Lux / BW : 0.005Lux
	Lens		Megapixel C/CS Mount Lens
	Shutter Speed		1 ~ 1/10,000sec
	BLC		On / Off (W/ Motion Compensation)
	White Balance		Manual / AWB / ATW
	3D DNR		On / Off
	WDR		On / Off
	Brightness		Manual
	Exposure		Auto / Manual
	Sharpness		Manual
	Contrast		Manual
	Saturation		Manual
	Hue		Manual
	Digital Zoom		Support
	Motion Detection		On / Off / By Schedule
	Privacy Mask		On / Off
	Privacy Mask Type		Color
	ICR		Auto / LED On / LED Off / Smart IR / Light Sensor
	Tampering Alarm		On / Off / By Schedule
	Two-way Audio		Line In / Line Out
	Audio Compression		G.711 / G.726
	Auto Back Focus		Support
Network	Interface		RJ-45, 1Gbps Ethernet
	Video Compression		MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile
	Video	Single	H.264 4K2K (3840x2160)@25/30fps
	Streaming	Dual	H.264 4K2K (3840x2160)@20fps + H.264 1080P@20fps or H.264 1080P@50/60fps + H.264 1080P@25/30fps Note : 1 of the 2M or under streamings can be MJPEG
		Quad	H.264 1080P@50/60fps + H.264 SXGA@25/30fps + H.264 720P@25/30fps + H.264 D1@25/30fps Note : 1 of the 2M or under streamings can be MJPEG
	Video	H.264	4K2K (3840x2160) / Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
	Resolution	MJPEG	Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
	ePTZ Video Windows		4
	Video Analytic Engine		Edge Embedded (Camera side)
	Protocol		IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP
	Security		HTTPS / IP Filter / IEEE 802.1X
	Alarm Input		1Set (5V 10kΩ pull up)
	Alarm Output		1Set (Photo Relay Output 300V DC/AC)
	Event Notification		HTTP / FTP / SMTP
	Micro SD		Micro SDXC 64GB Support
	Web Browser		Internet Explorer (6.0+) / Chrome / Firefox / Safari
	User Account		20
	Password Levels		User and Administrator
General	OSD Languages		English / French / German / Italian / Japanese / Korean / Portuguese / Russian / Simplified Chinese / Spanish / Traditional Chinese
	Operating Temperature		-10°C ~ 50°C / 14°F ~ 122°F
	Operating Humidity		10% ~ 90%, No Condensation
	Power Source		DC 12V / AC 24V / PoE
	Power Consumption		Max. 8.5W
	Dimension		79.7(W) x 52.4(H) x 148.7(D)mm / 3.13(W) x 2.06(H) x 5.85(D)" (W/O Lens)
	Weight		Appx. 395g / 0.87lb (W/O Lens)
	Regulatory		CE / FCC

• Design and specification are subject to change without notice.

4/8CH UHD NETWORK VIDEO RECORDER

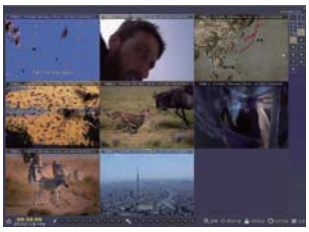
TNVR-UHD-1004
TNVR-UHD-1008

KEY FEATURES

- Linux-based digital video recorder with high reliability
- Clear picture quality with a highly efficient H.264 video compression format
- Implement OpenCL/OpecGL technology-based user interface
- Up to 4/8 video server and network camera connection
- Front USB and DVD RW built-in for easy backup
- Always / Motion / Sensor / Various recording mode of schedule and support
- Storage and transmission of IP camera image frame / quality changeable
- Intelligent Video Analysis (VCA) support
- Full and various divide screen mode
- Multi-privileged user mode and the screen lock support
- Program provides a variety of connectivity for network monitoring
- Support monitoring via E-Map
- Support two-way audio function
- Motion sensor, camera signal loss, event handling, such as disk failure
- Event notifications via e-mail

DIVIDE SCREEN

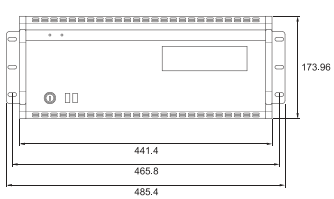
[UHD-1004 : 4 Divide screen]

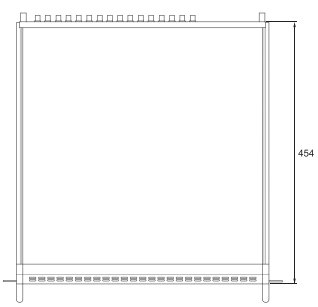


[UHD-1008 : 9 Divide screen]

DIMENSIONS

Unit : mm





SPECIFICATIONS

		TNVR-UHD-1004	TNVR-UHD-1008
Video Input	IP Camera	Up to 4ch (Ultra HD 4ch)	Up to 8ch (Ultra HD 8ch)
Video Output		1 x DVI and 1 x VGA (or HDMI)	
O/S		Linux (Embedded)	
CPU / RAM		Intel Core Processor 3.3G Hz / DDR3 16G	
Display	Resolution	3840x2160 Ultra HD	
	FPS	120fps	240fps
	Divide Screen	1, 2, 4 divide screen and Full screen mode	1, 2, 4, 6, 7, 9 divide screen and Full screen mode
Recording	Compression	H.264, MPEG4, MJPEG	
	Resolution	3840x2160 Ultra HD	
	FPS	120fps	240fps
	System	Continuous, Motion detection, Sensor integration, Schedules, Event	
	Pre/Post Alarm	Up to 10 sec. / Up to 120 sec.	
Search		Date/Time, Calendar, Event	
Playback		Forward (Fast : x1 ~ x8, Slow : 1/4 ~ 1/2) Step Forward / Backward	
Applications	CMS	Live, Search, Backup, Event manager, E-Map, Multi monitor, Pan/Tilt/Zoom control, NVR settings	
	Web (IE)	16ch of live, Search 1ch, Pan/Tilt/Zoom control	
	Smart Phone	iPhone, Android app available	
Network	Interface	10/100/1000 Base-Tx Ethernet (RJ45)	
	Max. User	20	
	Protocols	TCP/IP, UDP, DNS, DDNS, HTTP, NTP, RTP/RTCP, RTSP	
	Bandwidth	Auto	
HDD (Optional)	Max. Capacity	Internal HDD up to 32TB 24 bay HDD storage case when applying max. 96TB	
	RAID	Normal, RAID 5, RAID 6	
Security		3 User level	
Alarm		E-mail and FTP alerts, Alarm out, Programmed presets, Events and warning messages for the video loss, The pop-up camera	
IP Camera Protocols		UDP, Axis, Dynacolor, Sony, Panasonic, Samsung IP cameras and ONVIF, RTSP support IP camera	
Operating Temperature		5℃ ~ 40℃	
Operating Humidity		0% ~ 90%	
Power Supply		100~240V, 50/60Hz	
Consumption		Max. 400W, Normal 250W	
Dimension		441.4(W) x 173.96(H) x 454(D)mm	
Weight		Appx. 18kg	

• KVM switch is used, you should use a USB type of product. (PS/2 type can not be used)
• Design and specification are subject to change without notice.

16/32/64CH UHD NETWORK VIDEO RECODER

TNVR-UHD-1016
TNVR-UHD-1032
TNVR-UHD-1064

Compatible with 30 major brand and 500 kind of IP camera

Fully support ONVIF standard, and also RTSP protocol.

Automatic Network Recovery

Secondary recording on TF slot of camera in case of network failure for various reason, send recordings to NVR and save after network connection.

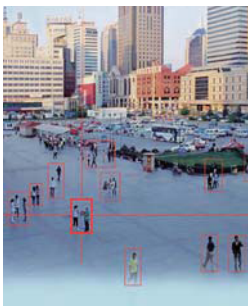
64channel simultaneous recording/save/streaming per NVR (TNVR-UHD-1064)

Two monitor connected NVR outputs two Live video or Live/Playback output together.

Over 8,000 camera control

(TNVR-UHD-1064)

Provide CMS(NVR Station) capable of 8,192 camera controls as free.
Possible to build the central monitoring system by controling 64 monitors, fully divide screen and 128sets NVR/8,000 camera.

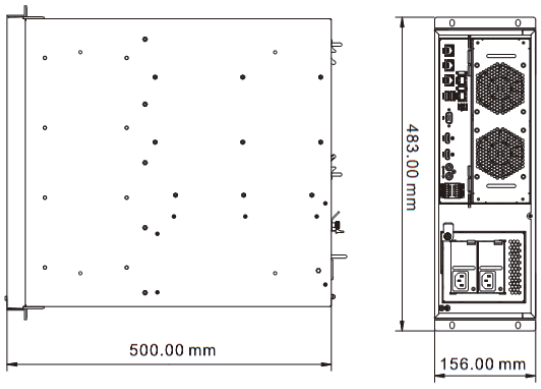


KEY FEATURES

- 4K Video Output
- Support Max. 64channel, 4K (TNVR-UHD-1064)
- Max. 640Mbps Incoming Bandwidth (TNVR-UHD-1064)
- 512Mbps Output Bandwidth
- 64 User Simultaneous Access
- Max. 16ea HDD, Storage 64TB
- Support IP SAN Storage
- Built-in DHCP Server Embedded Linux
- RAID 0/1/5/6/10
- Redundant Power Supply (Optional)
- Support ANR (Automatic Network Recovery)
- Support PLR (Packet Loss Recovery)
- Individual Triple Display Output, Individual Contents
- Support E-Map, TV-Wall
- Bidirectional Audio, Broadcasting
- NAT, Socks5
- Support Alarm
- Free CMS (NVR Station), Support 128set NVR
- Free CMS (NVR Station), Support 6 Monitors
  (4 x Live viewing, 1 x E-Map, 1 x TV-Wall)

DIMENSIONS

Unit : mm



→ SPECIFICATIONS

		TNVR-UHD-1016	TNVR-UHD-1032	TNVR-UHD-1064
Video / Audio Input	IP Camera Input	16ch	32ch	64ch
	Resolution	UHD, QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
	Compression Format	H.264		
	Protocols	ONVIF, RTSP, KEDACOM		
	Incoming Bandwidth	160Mbps	320Mbps	640Mbps
Live Viewing	Local Display	2 x HDMI, 1 x VGA, Simultaneously output different content		
	Multi Screen Display Local Monitor (Main / Secondary / Tertiary)	1/1/1, 4/1/1, 9/1/1, 15/1/1, 16/1/1, 24/1/1, 25/1/1, 35/1/1, 1+4/1/1, 1+8/1/1, 1+9/1/1, 1+15/1/1, 4/4/4, 9/9/9, 16/16/16	1/1/1, 4/1/1, 9/1/1, 15/1/1, 16/1/1, 24/1/1, 25/1/1, 35/1/1, 36/1/1, 48/1/1, 49/1/1, 63/1/1, 64/1/1, 1+4/1/1, 1+8/1/1, 1+9/1/1, 1+15/1/1, 4/4/4, 9/9/9, 16/16/16, 4/16/16, 16/24/24	1/1/1, 4/1/1, 9/1/1, 15/1/1, 16/1/1, 24/1/1, 25/1/1, 35/1/1, 36/1/1, 48/1/1, 49/1/1, 63/1/1, 64/1/1, 1+4/1/1, 1+8/1/1, 1+9/1/1, 1+15/1/1, 4/4/4, 9/9/9, 16/16/16, 4/16/16, 16/24/24, 35/48/48
	Multi Screen Display Client	Up to 4 screens simultaneously : 1, 3, 4, 9, 12, 16, 20, 25, 30, 36, 42, 49, 56, 63, 64, 1+5, 1+7, 1+8, 1+9, 1+11, 1+15, 1+16,1+33, 1+47, 1+48		
	E-Map	Live viewing in E-Map (NVR Station)		
	Function	E-PTZ, Scheme, Polling, TV-Wall (Optional with decoder)		
Recording	Resolution	UHD, QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
	Mode	Manual, Continuous, Schedule, Event (Pre/Post)		
	Event Trigger	Alarm input, Video lost, Motion detection		
	Tag	Supported		
	Reliability	Automatic Network Replenishment (ANR)		
Search	Search Mode	Date & Time (Calendar), Event		
	Resolution	UHD, QXGA, 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Storage	Max. Internal HDDs	16 x 3.5" HDD / Max. 64TB (Up to 4TB/each)		
	RAID	RAID 0 / 1 / 5 / 6 / 10		
	External	IP SAN (iSCSI), Up to 10 x IP SAN, Max. 100T		
	Function	Disk group, Quota		
Audio	Compression	G.711a, G.711u, ADPCM, G.722, G.722.1c, AAC-LC		
	Bit Rate	32Kbps ~ 64Kbps		
	Audio Function	Bi-directional audio, Dumb, Mute, Broadcasting		
Alarm	Alarm Triggers	Alarm input, Video lost, Motion detection, System alarm		
	Alarm Events	Snapshot, Recording, PTZ Preset, Alarm out, Buzzer, E-mail, Link to client, Alarm caption		
System	Operation System	Embedded Linux		
	User Management	Admiin, User		
	Log Management	User login, User operation, Alarm, Backup, Update		
	Aplication Programming	NVR Station SDK		
Network	Network Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, SNTP, VSIP		
	Viewer Software	CMS (NVR Station), Web, iOS app, Android app		
	Max. User Access	64 Users		
	Output Bandwidth	512Mbps		
	Function	NAT, Socks5, Multiple network access, Packet loss recovery, Auto network organizing		
	Network Test	Supported		
Interfaces	Ethernet	3 x Gigabite network port, RJ45 interface		
	Video Out	2 x HDMI (1 HDMI up to 4K x 2K, 1 HDMI up to 1920x1080@60Hz) 1 x VGA (Up to 1920x1080@60Hz)		
	Audio In / Out	1 x RCA Line in / 1 x RCA Line out		
	Alarm In / Out	2 x Inputs / 2 x Outputs		
	Control	2 x RS485		
General	USB	2 x USB 2.0 / 2 x USB 3.0		
	Operating Temperature	-10°C ~ +55°C / 14°F ~ 131°F		
	Operating Humidity	10% ~ 85%		
	Power	100~240V AC, 50~60Hz / Redundant power supply (The second power is option)		
	Power Consumption	Max. 150W (HDD not included)		
	Dimension	483(W) x 156(H) x 500(D)mm / 19.02(W) x 6.14(H) x 19.69(D)"		
	Weight (W/O HDD)	20kg / 44lb (HDD not included)		

• Design and specification are subject to change without notice.

THANK YOU

2015
ULTRA HD
TOTAL SECURITY SOLUTION

• Design and specifications are subject to change without notice.

ver. 1-201503E