

MS-TA8600UHK2 SERIES TURBO HD 5MP DVR

Features and Functions

Video Input and Transmission

- Self-adaptive HDTV/HD/SD/TV/AV/NTSC/PAL signal input
- Up to 2-ch 6 MP IP cameras input
- 5 MP/4 MP HDTV video input and live view
- Defogging function enabled for the supported analog cameras
- Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p HDTV signal

Compression and Recording

- H.265+/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras
- Connectable to H.265+/H.265/H.264+/H.264 IP cameras
- H.265+ can be enabled to improve encoding efficiency and reduce data storage costs
- Full channel recording at up to 5 MP resolution

Video Output

- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 × 2160) resolution for MS-TA8608/8616UHK2
- Separate CVBS output

Storage and Playback

- 2 SATA interfaces (up to 8 TB capacity per HDD)
- 8/16-ch synchronous playback
- Smart search for efficient playback
- Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

Smart Function

- Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
- Supports line crossing detection and intrusion detection of all channels, and 2-ch sudden scene change detection
- VCA information overlay in live view and smart playback
- VQD (Video Quality Diagnostics)
- Supports PTZ control via Omnicast VMS of Genetec protocol

Network & Ethernet Access

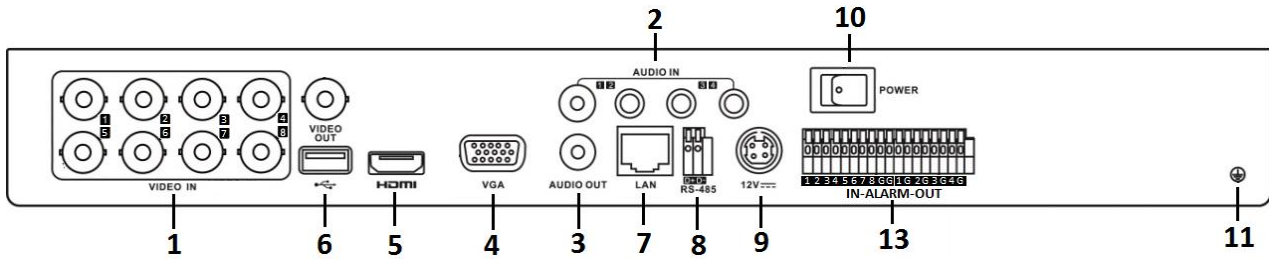
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M self-adaptive Ethernet interface for MS-TA8604UHK, and 1 RJ45 10M/100M/1000M self-adaptive Ethernet interface for MS-TA8608/8616UHK2
- Output bandwidth limit configurable



Specifications

Model		MS-TA8604UHK	MS-TA8608UHK2	MS-TA8616UHK2	
Video/Audio input	Video compression	H.265+/H.265/H.264+/H.264			
	Analog video input	4-ch	8-ch	16-ch	
	HDTVI input	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection			
	AHD input	5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25			
	HDCVI input	1080p25, 1080p30, 720p25, 720p30			
	CVBS input	PAL/NTSC			
	IP video input		2-ch		
			Up to 6 MP resolution		
			Supports H.265+/H.265/H.264+/H.264 IP cameras		
	Audio compression	G.711u			
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)				
Video/Audio output	CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480			
	HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	Encoding resolution	5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF			
	Frame rate	Main stream: 5 MP@12fps/4 MP@15fps/3 MP@18fps 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)			
		Sub-stream: WD1/4CIF/CIF@25fps (P)/30fps (N)			
	Video bit rate	32 Kbps to 10 Mbps			
	Audio output	1-ch, RCA (Linear, 1 KΩ)			
	Audio bit rate	64 Kbps			
	Dual stream	Support			
	Stream type	Video, Video & Audio			
	Synchronous playback	4-ch	8-ch	16-ch	
	Network management	Remote connections	128		
Network protocols		TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF			
Hard disk	SATA	1 SATA interface	1 SATA interface	2 SATA interfaces	
	Capacity	Up to 8 TB capacity for each disk			
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1 st audio input)			
	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface		
	USB interface	2 × USB 2.0	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0		
	Serial interface	RS-485 (half-duplex)			
	Alarm in/out	4/1	8/4	16/4	
General	Power supply	12 VDC			
	Consumption (without HDD)	≤ 10 W	≤ 20 W	≤ 25 W	
	Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)			
	Working humidity	10% to 90%			
	Dimensions (W × D × H)	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)			
	Weight (without HDD)	≤ 1.16 kg (2.6 lb)	≤ 1.78 kg (3.9 lb)	≤ 2 kg (4.4 lb)	

Physical Interfaces



NOTE

The rear panel of MS-TA8604/8616UHK2 provides 4/16 video input interfaces.

Index	Description	Index	Description
1	VIDEO IN	8	RS-485 Serial Interface
2	AUDIO IN, RCA Connector	9	12 VDC Power Input
3	AUDIO OUT, RCA Connector	10	Power Switch
4	VGA Interface	11	GND
5	HDMI Interface	12	VIDEO OUT
6	USB Interface	13	Alarm In/Out
7	LAN Network Interface		

Available Models

MS-TA8604UHK2, MS-TA8608UHK2, MS-TA8616UHK2

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