MZ 80HTS
MZ 16HTS

H.265+ MULTI PLATFORM



KEY FEATURES

Video Input and Transmission
- Self-adaptive HDTVI/HDCVI/AHD/CVBS signal input
- Up to 2-ch 6 MP IP cameras input
- 5 MP/4 MP HDTVI 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 HDTVI 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 effi
  - Full channel recording at up to 5 MP resolution

Video Output
- Simultaneous HDMI/VGA output
- HDMI output at up to 4K (3840 x 2160) resolution
- Separate CVBS output

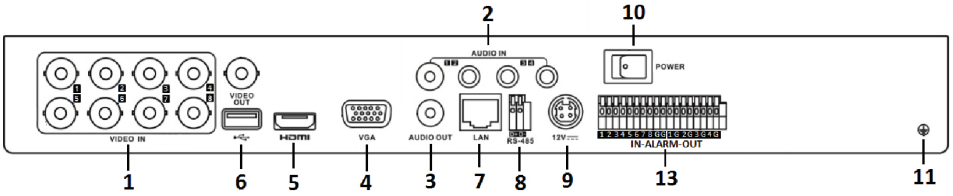
Storage and Playback
- 2 SATA interfaces (up to 8 TB capacity per HDD)
- 8/16-ch synchronous playback
- Smart search for efficient playback
- Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

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
- Guarding Vision & DDNS (Dynamic Domain Name System) for easy network management
- 1 RJ45 10M/100M/1000M self-adaptive Ethernet interface
- Output bandwidth limit configurable

SPECIFICATION	MZ 80HTS	MZ 160HTS
Video/Audio Input		
Video compression	H.265+/H.265/H.264+/H.264	
Analog video input	8ch	16ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
HDTVI input	5 MP, 4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25	
AHD input	1080p25, 1080p30, 720p25, 720p30	
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 IPC	
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	**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 Sub-stream: WD1/4CIF/CIF@25fps	
Video bit rate	32 Kbps to 10 Mbps	
Audio output	1-ch, RCA (Linear, 1 KΩ)	
Audio bit rate	64 Kbps	
Dual stream	Support	

SPECIFICATION	MZ 80HTS	MZ 160HTS
Video/Audio output		
Stream type	Video, Video & Audio	
Synchronous playback	8ch	16ch
Network management		
Remote connections	128	
Network protocols	TCP/IP, PPPoE, DHCP, Guarding Vision, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF	
Hard disk		
SATA	2 SATA interfaces	
Capacity	Up to 8 TB capacity for each disk	
External interface		
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface	
USB interface	Front panel: 1 × USB 2.0/Rear panel: 1 × USB 3.0	
Serial interface	RS-485 (half-duplex)	
Alarm in/out	8/4	16/4
General		
Power supply	12 VDC	
Consumption(without HDD)	≤ 20 W	≤ 25 W
Working temperature	-10 ºC to +55 ºC	
Working humidity	10% to 90%	
Dimensions (W × D × H)	385 × 315× 52 mm	
Weight (without HDD)	≤ 1.78 kg	≤ 2 kg



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