

# Combat series 8-CH DVR



## Specification:

Model		DX-1228 TX
System	Multiplex	Hexaplex operation - simultaneous record, live, playback, backup, control, & remote
Video	Format	IP-CAM: ONVIF Profile S / T ; Analog: NTSC/EIA or PAL/CCIR or AHD/TVI/CVI
	Input	IP-CAM: up to 8-CH 1080p/720p; Analog: up to 8-CH AHD/TVI/CVI 8MP, BNC, 1Vp-p /75ohm, <b>Total Max: 8-CH Analog or IP-CAM</b>
	Output	HDMI - up to 3840*2160 , VGA - up to 1920*1080 ; CVBS
Audio	Input	4 RCA-jack connectors, line-in level (100mV-1Vrms) ; <b>8-CH via Coaxial cable</b>
	Output	HDMI; 1 RCA-jack connector, line-out level (up to 1Vrms)
Record	Compression	Audio: ADPCM
	Max frame rate	IP-CAM: 240/200fps@1080p/720p, Up to 80Mbps incoming bandwidth for IP-CAM Analog: <b>40fps@8MP-lite</b> , 96fps@5MP-lite, 120fps@4MP-lite, 160fps@3MP-lite,120fps@1080p, 240fps@1080p-lite/720p/960H,
	Pre-record time	0 - 10 seconds
	Post-record time	0 - 60 minutes
Display	Split windows	1/4/7/9
	Frame rate	Up to 30/25 FPS per display window
	Digital Zoom	X2, X4
Playback	Max frame rate	<b>40fps@8MP-lite</b> , 96fps@5MP-lite, 120fps@4MP-lite, 160fps@3MP-lite, 120fps@1080p, 240fps@1080p-lite/720p/960H
	Search	Smart search, Date/time, Camera, Alarm, Motion & Video loss
	Operation	Play, Fast Forward, Backward, Pause, Stop, Snapshot, etc. ※Max 4CH 8MP-Lite playback in 3840x2160 screen.
Storage	HDD	2 x 3.5" SATA HDD
	HDD Extension	N/A
	Backup	USB 2.0 x 3, up to 2 USBs be used simultaneously ; Self playback for backup files (The front USB port and the upper-back USB port can't be used simultaneously.)
Alarm	Input	4 contact or TTL/CMOS signals, polarity selectable
	Output	1 Normally Open or Normally Closed relay outputs
Network	Ethernet	1 RJ-45 10M/100M bps Ethernet connector
	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP, NTP, RTSP, UPnP, P2P
	Remote Users	Up to 8 users simultaneously
	Remote	Support Windows 10/8/7, N-streaming live view, 1 I.E/Firefox/Chrome/App for unlimited number of DVRs, App for Mac/iPhone/iPad/Android phone and Tablet PC
Control / POS / GPS	Remote Controller	1 remote controller to control up to 4 DVRs
	RS-485	2-pin for keyboard and/or PTZ control
Reliability	System recovery	Auto power on after power loss recovery (with Watch Dog Timer)
	Timer	Built-in real time clock
	Security	Multi-level password (4 levels, up to 18 accounts) protection with authentication key for remote access
Weights & Measures	Dimension / Weight	320(W) x 250(D) x 60(H)mm / 2.0 KG (without HDD)
Power	Source / Consumption	+12VDC / 36W Max.
Operating Temperature		0°C ~ +55°C