

# TRM-410S

4CH 8M H.265 Mobile NVR



FC | UL LISTED | CE | EAC

## Key Features

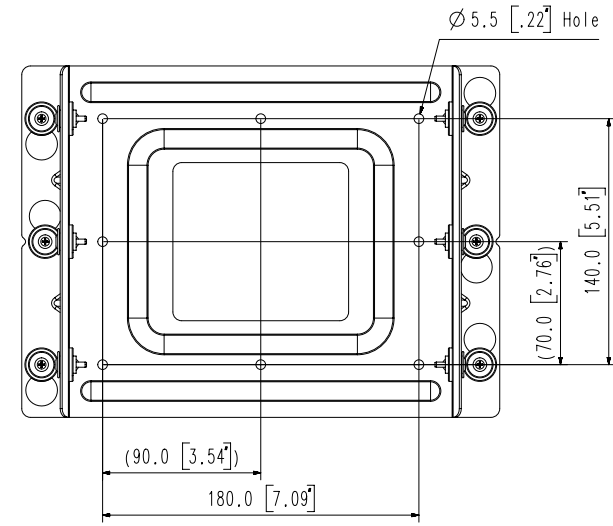
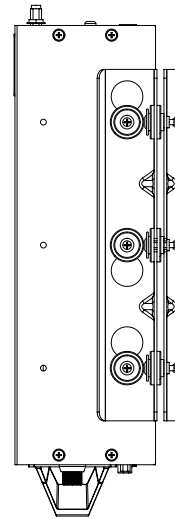
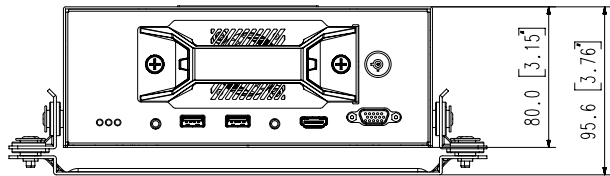
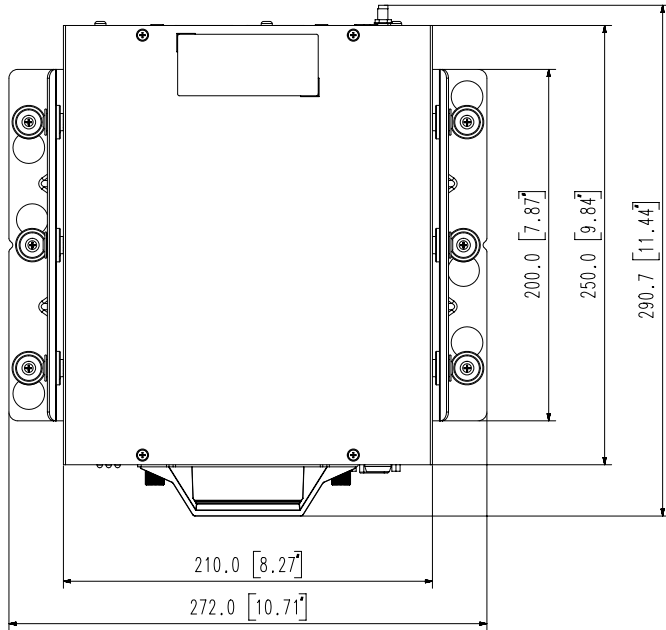
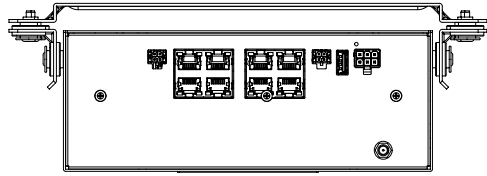
- Up to 4CH 8megapixel supported
- Max. 50Mbps/80Mbps recording
- 2 SATA (Front-swap)
  - Max. 2TB (HDD, Non-RAID mode)
  - Max. 4TB (SSD, Non-RAID mode)
- Wisenet (SUNAPI) / ONVIF camera recording
- H.265, H.265, MJPEG codec supported
- WiseStream support

Display		
Network camera	Inputs	Max. 4CH
	Resolution	8MP ~ CIF
	Protocols	Wisenet, ONVIF
Decoding	Local Display	HDMI / VGA
	Resolution	8MP(60fps), 5MP(90fps), 3MP(120fps), 2MP(120fps), 720p(120fps), D1(120fps)
Performance		
Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 50Mbps
	Resolution	8MP ~ CIF
	Mode	Normal, Schedule(Continuous/Event), Event (Pre/Post)
	Event Trigger	Alarm Input, Video Loss, Camera Event(Alarm, MD, Video Analytics, Defocus), G-Sensor(3 Axis)
	Event Action	e-Mail, PTZ Preset, Alarm Out, Buzzer, Monitor Out
Search & Play	Playback Bandwidth	Max. 32Mbps(4CH simultaneously)
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 4CH(Local Monitor, Network)
	Fisheye Dewarping	WEB / CMS
Storage	Supported HDD	Up to 4TB
	HDD Slot	SATA 2ea - Max. 2TB(HDD) - Max. 4TB(SSD)
Backup	File backup	Exe(GUI), JPG/AVI(Network, excluding GPS information)
	Function	Multi channel(Upto 8CH) Play, Date-Time/Title/GPS display
Network		
Protocol		IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)
DDNS		Wisenet DDNS
Transmission Bandwidth		Max. 50Mbps
Wireless	WiFi	Internal (802.11 ac(5G)), 1T1R
	3G/LTE	Support external 3G/LTE router (Ethernet)
Audio	Input/Output	4 ch (network)
	Compression	G.711, G.726, AAC(16/48KHz)
	Audio Communication	2-Way
Max Remote Users		Search (3), Live Unicast (10), Multicast (20)
Security		IP address filtering, User access Log, 802.1x, Encryption
Web viewer	Supported OS	Window 7, 8, 10, Mac OS X(10.8 or above)

	<b>Supported browser</b>	MS IE, Google Chrome, Mac Safari
<b>Viewer Software</b>		TMS, Webviewer
<b>Functions</b>		
<b>Camera Setup</b>	<b>Item</b>	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SSSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
<b>PTZ</b>	<b>Control</b>	Via GUI, Webviewer
<b>Smart phone</b>	<b>Support Model</b>	iOS, Android
	<b>Protocol Support</b>	RTP, RTSP, HTTP, CGI(SUNAPI)
	<b>Control</b>	Live(Multi-Profile Support), Playback
	<b>Max. Remote Users</b>	Search(3), Live Unicast(10)
<b>Interface</b>		
<b>HDMI</b>		1EA
<b>VGA</b>		1EA
<b>Audio</b>		Out(1EA, Line)
<b>Ethernet</b>		RJ-45(10/100/1000BASE-T) x 1 RJ-45(PoE) x 4
<b>Alarm</b>		In 6EA, Out 4EA
<b>USB</b>		3 EA (2 Front, 1 Rear)
<b>GPS</b>		4 Pin Micro Fit
<b>WiFi</b>		1 EA (RP-SMA, F)
<b>Serial(Protocols)</b>		1 RS-232C(Reserved)
<b>Power inlet</b>		6pin connector 1ea
<b>System</b>		
<b>System Control</b>		Mouse, Web, Controller
<b>Power Management</b>	<b>Shutdown Delay</b>	Max. 72Hrs (User selectable)
	<b>Startup Delay</b>	0(Default) sec ~ 10 Min (User selectable)
<b>Language</b>		English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai
<b>Environmental</b>		
<b>Operating Temperature</b>		-25 to +55 °C(-13 to +131 °F) : HDD installed
<b>Operating Humidity</b>		20% ~ 85% RH
<b>Certification</b>		CE, FCC, UL, KC EN-50155 (Rail Shock/Vib) EN-50121-3 (Railway EMC) EN-61373 (Railway Safety)
<b>Electrical</b>		
<b>Power Input</b>		9 ~ 36V DC
<b>Power Consumption</b>		Max. 83W

PoE Budget	Max. 32W	
<b>Mechanical</b>		
Color / Material	Black / Steel	
Dimension (WxHxD)	210 x 80 x 250 mm (8.27" x 3.15" x 9.84")	
Weight	Approx 3.4Kg(7.5lb)	
<b>Control Box</b>		
Interface	Indicator	LED(Status indicator) : 6EA - Power(1), Alarm(1), Record(1), GPS(1), RAID(1), HDD Error(1)
	Emergency Button	1 EA
	Audio/Power Switch	Out(1EA, RCA, Line)
	Main I/O	1EA (DB9)
Mechanical	Color / Material	Black / Steel
	Dimension (WxHxD)	118 x 29.2 x 70mm (4.64" x 1.15" x 2.75")
	Weight	0.2Kg

- The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.



Appearance Drawing TRM-410S  
Unit : mm [inches]