

# PRN-4011

64CH H.265 Network Video Recorder

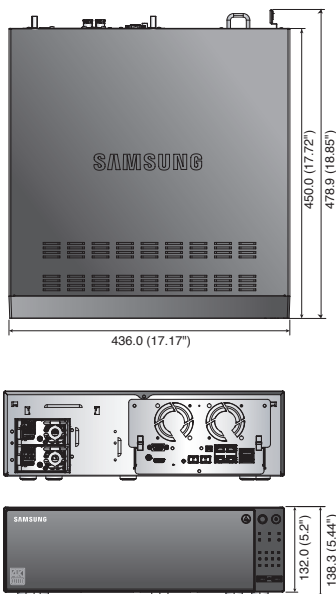


## Key Features

- Up to 64CH, Max.12megapixel resolution
- 400Mbps network camera recording
- Support 4K video out on HDMI monitor
- Support dual monitor video out
- H.265, H.264, MJPEG compression
- WiseStream support
- Max. 12 internal HDDs(96TB)
- Support RAID 5
- ARB&Failover(N+1) support

## Dimensions

Unit : mm (inch)



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<b>DISPLAY</b>		
Network Camera	Inputs	Max. 64CH
	Resolution	CIF ~ 12MP
	Protocols	Samsung, ONVIF
Live	Local Display	1x HDMI, 1x VGA Dual Monitor
	Multi-Channel Display	[Local monitor] 1 / 2V / 3V / 4 / 9 / 16 / 25 / 36 / 64/ Sequence, [Web] 1 / 4 / 9 / 16 / 25 / 36 / 64/Sequence
	Performance	[Local monitor] 12M (30fps), 8.3M(120fps), 1080p(480fps), 720P(960fps), D1(1920fps)
<b>PERFORMANCE</b>		
Operating System	Embedded	Linux
Record	Compression	H.265, H.264, MJPEG, WiseStream (H.265, H.264)
	Recording Bandwidth	Max. 400Mbps (RAID-5/6)
	Resolution	CIF ~ 12MP
	Type	Normal, Schedule (Continuous / Event), Event (Pre / Post)
	Event Trigger	Alarm input, Video loss, Camera event(Sensor, MD, Video analytics, Defocus)
Search & Play	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
	Playback Bandwidth	Max.32Mbps (16CH simultaneously)
	User	Max. 4 users (Local 1, Remote 3)
	Mode	Date & Time(Calendar)/Event log list / Text search / Smart search
	Simultaneous playback	Max. 16CH (Local Monitor, CMS)
Storage	Resolution	CIF ~ 12MP
	Fisheye Dewarping	WEB / CMS
	Playback Control	Fast/Slow Forward/Backward, Move one step up/down
	Built-in	0TB ~ 8TB
	Internal HDD	12 (Max 96TB, Non-RAID Mode)
Backup	External	iSCSI storage(Max. 192TB), Promise VessRaid R2600
	RAID	RAID-5/6(Array Size : 6-HDD x 2 Array)
	File backup Function	BU/Exe (GUI), JPG/AVI (Network)
Sensor	I/O	Multi channel (Up to 16CH) Play, Date-time/title display
	Input	4/4 (NO/NC selectable)
Audio	Input	64CH (Network)
	Compression	G.711, G.726, AAC (16/48KHz)
	Audio Communication	2-way
<b>NETWORK</b>		
Interface		RJ-45(Gigabit ethernet) x4, SFP x2
Protocol		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		Hanwha DDNS
Transmission Bandwidth		Max. 400Mbps
Max. Remote Users		Search (3), Live unicast (10), Multicast (20)
IP Version		IPv4/v6
Security		IP address filtering, User access Log, 802.1x, Encryption, 2Men-rule
Language		English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai
OS		Window 7, 8, 10, Mac OS X (10.8 or above)
Web Browser		MS IE, Google Chrome, Mac Safari, Firefox
Viewer Software	Type	SSM, Webviewer, SmartViewer, iPoLi's mobile viewer
	CMS Support	Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS
<b>FUNCTIONS</b>		
	Register	Auto, Manual
Camera Setup	Setup Items	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, Halfway View Setup, Camera webpage
	PoE Power Control	N/A
	Control Preset	Via GUI, Webviewer, SPC-2000 255 Presets
Smart Phone	Support Model	I-Phone, Android
	Protocol Support	RTP, RTSP, HTTP, CGI (SUNAPI)
	Control	Live (16CH) : Multi-profile support, Playback (1CH)
Redundancy	Max. Remote Users	Search (3) / Live Unicast (10)
	Failover	N + 1
	ARB	Yes
System Control		Mouse, Web, Controller (SPC-2000)
<b>INDICATOR / INTERFACE</b>		
Front	Indicator	LED(Status indicator) : HDD Action 12, RAID Status 1, Alarm 1, Power 1, Record 1, Backup 1, Network 1
	Switch	N/A
	VGA	Sub : 1ea (Support live screen up to 32 div. mode)
	HDMI	Main : 1ea (Both support Live / PB / Setup) - Support up to 4K (3840 x 2160, Single monitor mode 64 div)
	Audio	Out 1ea (RCA, Line)
Connectors	Ethernet	RJ-45 4ea (LAN/WAN, 1Gbps), 1000M SFP 2ea In 4ea, (Terminal block), Alarm reset 1ea Out 4ea (Terminal block) - Relay out1 (NO/NC/COM) - Relay out2~4(NO/COM)
	Alarm	2ea (Front 2)
	USB	2ea (Front 2)
	Storage	iSCSI
	Serial	RS-232C, (UPS Support)(※ 1)
	Reset	Switch(1EA)
	Power Cord	2ea AC Inlet
SYSTEM		
Log	Log List	Max. 20,000 (System log, Event log each)
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity		+0°C to +40°C (+32°F to +104°F)
Humidity		20% ~ 85% RH
<b>ELECTRICAL</b>		
Power		100 ~ 240 VAC ±10%; 50/60 Hz, 3~1.5A (Dual SMPS)
Power Consumption		Max. 250W (853 BTU with HDD 12ea)
<b>MECHANICAL</b>		
Color / Material		Black / Metal
Dimension (WxHxD)		436.0 x 132.0 x 450.0mm (17.17" x 5.2" x 17.72") (3U)
Weight		Approx. 11Kg (24.3 lb, HDD not included)

\* The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)