



Key Features



256Ch. Recording Capacity
 Max.12Megapixel Resolution Recording
 Max. 512ch. Upgradable
 Max. 512ch. Virtual Stack Capacity
 Virtual Stack Layer
 1300Mbps Network Camera Recording
 32x Internal HDD Capacity (Max. 384TB)
 JBOD, RAID0, RAID1, RAID10, RAID5 and RAID6
 Failover Clustering (N+16)
 Disk Volume Grouping
 4K Hardware Decoding
 64ch. Real Time Local Display Liveview / Monitor
 Multilayer E-MAP

Dimensions



Authorized Dealer

GENERAL FEATURES

Operating System	Linux
Inputs	256ch. (Video & Audio)
Compatibility	Support Brickcom cameras, 150+ Manufacturers and 3500+ Models by fully API and ONVIF Profile S compliant
Local Display	2xHDMI (4K), 2xVGA (1080P)
Live Performance	[Local monitor] 4K UHD, 4MP(360fps), Full HD(900fps), HD(1200fps), D1(1600fps)
Multi-Channel Display	1/3/4/5/8/9/10/12/16/20/25/30/36/42/49/56/64 & 5+1/12+1, 7 Zone ROI
System Control	Mouse, Web GUI, Controller Keyboard

SYSTEM PERFORMANCE

Video Compression	H.265 / H.264 / / MPEG4 / MxPEG / MJPEG (Depend on Models)
Video Analytics	Non Support
Recording Mode	Event / Schedule/ Always / Manual
Record Resolution	CIF ~ 12MP (Record & Playback)
Recording Bandwidth	1024Mbps
Total Bandwidth	1300Mbps
NVR Failover	N+16
Backup Server Support	Support
Edge Backup Support	Support
Built-in Relay Server	Support
UPS Integration	UPS low power warning feature
Backup Modes	USB / Local / NAS / E-Sata / Backup Server / Edge Backup
Search Modes	Smart Search/ Date & Time(Calendar)/Channel/Event/Log List
Smart Search	Motion Detection, Foreign Object Detection, Missing Object Detection, Camera Tampering Detection, Lose focus
Playback Modes	Local / Remote / Instant Playback / Frame by Frame Playback / Multi-NVR Playback / ROI Playback (max. 7 ROI zone per camera)
Event Recording	Alarm Input/Video Lost/Camera Events(Sensor, MD, Video analytics, etc.)/NVR Events/Storage Events/
Event Action	Buzzer Alarm/Alert Sound/Event Log/Video Pop-out/Highlight Video/Event Recording/E-Mail/SMS/FTP/SNMP Trap/PTZ Preset/Trig Camera digital out/Trig Horn Speaker
Simultaneous Playback	Max. 16CH (Local Monitor, Web GUI, CMS)
Fisheye Dewarping	Generic Fisheye/Immersion Dewarping (Web, CMS)
Watermark	Real-Time Digital Watermarking
E-Map	Multi-layer Maps, Include Pop-out Event Window and Event Log History
Sensor I/O Ports	8/4 (NO/NC selectable)
Audio In	Non Available
Audio Out	Non Available
Audio Compression Format	Selectable G.711 ,RAW_PCM, G.722.1, G.726, MP2L2 (Depend on Models)
Audio Communication	Bi-directional (2-way via USB Adapter)

STORAGE

Internal HDD Tray	32xHDD (Max 384TB, Non-RAID Mode)
Storage Capacity per HDD	Each Ports 12TB
Internal HDD Capacity	HDD Not Included
Storage Expansion	2 x eSATA Port
Camera Group Recording	Assign video keeping days for each camera by categorizing cameras in groups (storage days)
Capacity Management	Automatic Recycle by Percentage / Keep Video for Certain Days
Raid	JBOD, RAID0, RAID1, RAID10, RAID5 and RAID6 (Optional)

NETWORK

Ethernet	4x RJ-45 (100/1000BASE-T)
Poe Ethernet	Non Poe
Poe Budget	Non Poe Budget
Supported Protocols	IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, DNS, DDNS, UPnP, FTP, SMTP, SNMP, SSL, TLS, PPoE, SMTP, ONVIF (Profile-S), API
Network Security	HTTPS(SSL) login authentication, IP address filtering, User Access Log, 802.1x, Encryption, SSL, TLS, Random Password sent by Email, Account Expiration by assigning a specific date, Admin auto logout by time, User limitation by number of access
Switch Management	Manage Brickcom Switches via NVR (Port & PoE Management)
Maximum User Access	12 users at Unicast Mode / 20 users at Multicast Mode

SOFTWARE

Log Record	Max. 50,000 (Hardware log, System log, event log, current user log, historical user log and file access log)
Free Bundle Software	Free Bundle CMS Software
Web GUI Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
OS Compatibility	Windows 7/8.1/10, Mozilla Firefox, Internet Explorer, MS Edge Safari, Google Chrome, Opera, Apple Safari,
Mobile Compatibility	Android, IOS, Windows Mobile

MECHANICAL

Indicator Leds	Front: Power led, 16x HDD Status leds, 2x E-Sata leds
Input Connectors	10x USB 2.0, 4x LAN, 4x eSATA, 2x VGA, 2 HDMI, 8x Alarm In, 4xAlarm Out, 2x Ground
Material / Color	Aluminum / Metallic Dark Gray
Working Temperature	-10°C ~ 45°C (14°F ~ 113°F) Less than 90% RH
Dimensions (WxH)	133.4(H) x 481(W) x 551.5(D) mm
Weight	Approx. 14.3Kg (31lb, HDD not included)

ELECTRICAL

Input Voltage	AC110/220V ±10%
Power Consumption	Without HDD: Max. 64W, With HDD: Max. 152W (with 16 HDD)

CERTIFICATES & WARRANTY

Certificates	FCC/CE
Warranty	Limited 24 months warranty / Extended warranty up to 60 months (with VUL-NVR-01 licence pack)