Specifications

System

Main Processor:	Embedded Processor
Operating System:	ICR 4.0

Display

Display Interface:	2 HDMI(HDMI1 up to 4K), 1 VGA, 1 TV
Display Resolution:	HDMI1: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280× 720 VGA/HDMI2: 1920 × 1080, 1280 × 1024, 1280 × 720
OSD:	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Display Split:	IP channel extension disabled: 1/4/8/9/16 IP channel extension enabled: 1/4/8/9/16/25/36
Display Out Max Decode:	Different video sources output for HDMI2 is configurable

Intelligence

IVS:	Tripwire, Intrusion
Advanced Intelligent Functions:	(6ch Advanced)/ 12ch General) Perimeter Protection- Virtual Line Detection alarm for humans and vehicles. (16ch) Intelligent Motion Detect (iMD): Motion detection alarm with human and vehicle recognition. (6ch) Face Recognition and detection

Video

Supported Camera Types:	IP, Coax
IP Camera Input:	up to 16 Channel, each channel up to 12MP
HDAVS input:	16 Channel
Video Standard:	HD-AVS/AHD/CVBS/TVI
Trigger Events:	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection:	Motion Detection, MD Zones: 396 (22 x 18), Video Loss, Tampering and Diagnosis
Playback:	1/4/9/16
Search Mode:	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Function:	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
Backup Mode:	USB Device/Network

Audio

Compression:	G.711a; G.711u; PCM
Two-way Talk:	1 MIC IN, 1 MIC OUT, BNC(independent)

Recording

Record Compression:	AI Coding/H.265+/H.265/H.264+/H.264

Record Resolution:	4K, 6MP, 5MP, 4K-N, 4MP, 3MP, 1080P, 720P, 960H, D1, CIF
Record Rate:	Main stream: 4K@(1fps–15 fps); 6 MP, 5 MP@(1fps–25 fps); 4K-N,4 MP,3 MP, 1080p, 720p, 960H, D1, CIF@(1fps–25/30fps) Sub stream: 960H@(1fps–15fps); D1,CIF@(1fps–25/30fps)
Record Bit Rate:	32 kbps–8192 kbps
Record Mode:	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval:	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Target Resources:	128MB
Incoming Bandwith:	128Mbps

Storage

Internal HDD:	8 SATA Ports, up to 10 TB capacity for each disk
eSATA:	1

Network

Ethernet:	2 RJ-45 Port (1000M)
Protocol:	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; P2P
Compatibility:	ONVIF 21.12; CGI Conformant
Max. User Access:	128 Users
Web Viewer:	IE, Chrome, Firefox, Safari
Management Software:	Smart ICRSS
Smart Phone:	iPhone, iPad, Android

Interface

RS232:	1 Port for PC communication & Keyboard
RS485:	1 Portï for PTZ Control
USB:	4 USB Ports (2USB 2.0 , 2 USB 3.0)

Electrical

Power Supply:	AC 100~240V, 50/60HZ
Power Consumption:	<40W (Without HDD)

Environmental

Operating Conditions:	+14°F ~ +131°F (-10°C ~ +55°C), 0~ 90% RH
Storage Conditions:	-20C ~ +70C (-4F ~ +158F) , 0~ 90% RH

Construction

Installation:	Desktop installation/Rack installation
Dimensions:	2U, 17.32" × 17.94" × 3.73" (439.9 mm × 455.6 mm × 94.9 mm)