AADONA
GOING BEYOND VISION

8 CH NVR
8MP/6MP/5MP/4MP/3MP/1080P/720P HD NVR

AADONA
HD Recorder

REC
NET
PWR

Orion: ONV-818-AI

4K Output	HD IPC	DDNS	Network	PTZ	Audio	MIC	Mobile	CMS	USB	Mouse	E-mail	STD	FR	VCA
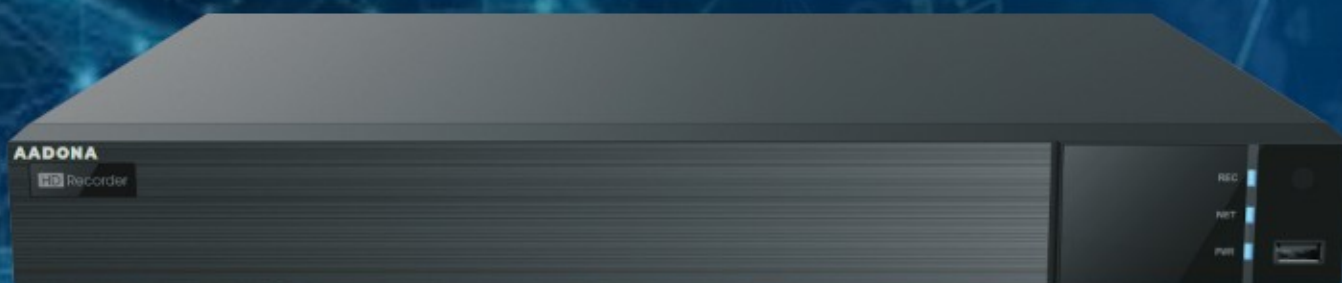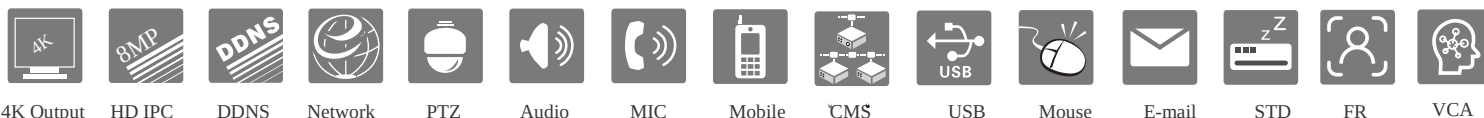
Orion: ONV-818-AI supports 8 CH 8MP / 6MP /5MP / 4MP / 3MP / 1080P / 1280 x 1024 / 960P / 720P high definition IP input, which adopts the most advanced SOC technique to ensure high definition recording in each channel and realize outstanding robustness of the system.

Orion: ONV-818-AI supports 8 CH IP input, simultaneous 8CH playback, and 4K high definition display. The product can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

RoHS CE

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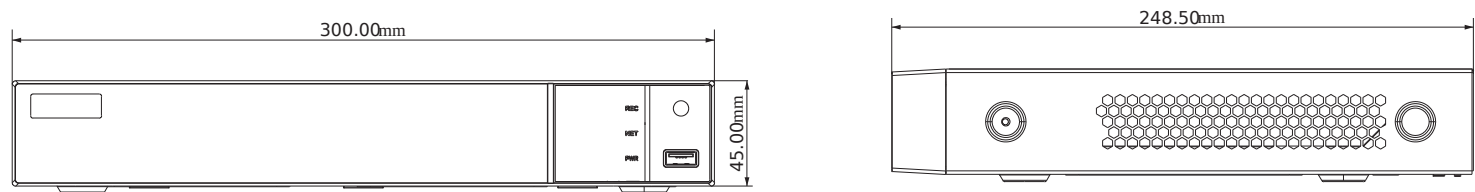For more information, please visit our website

SPECIFICATIONS

Model		Orion: ONV-818-AI
System	OS	Embedded Linux
Video	Network Input	8 CH IPC input
	Incoming/Outgoing Bandwidth	80Mbps / 80Mbps
	Network Input Resolution	8MP/ 6MP/5MP/4MP/3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF
	Output	HDMI × 1 : 1024 ×768 /1280 ×1024 / 1920 ×1080 / 3840×2160@ 30fps /3840×2160@60fps VGA × 1 : 1024×768 /1280×1024 / 1920×1080
	Compression	H.264 / H.265 / H.265+ / H.265S
Audio	Network Input	8 CH IPC audio input
	2-way Audio	RCA × 1
	Local Output	RCA × 1
	Compression	G.711(U/A)
Record	Record Stream	Dual stream recording
	Resolution	8MP/ 6MP/5MP/4MP/3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF
	Frame Rate	NTSC: 30fps; PAL: 25fps
Playback	Simultaneous Playback	Max 8 CH
	Search	Time slice / time / event / tag search
	Smart Search	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events
	Function	Play, pause, FF, FB, digital zoom, etc.
Decoding Capability	Live View/ Playback	1CH 8MP/ 4CH 1080P
Alarm	Mode	Manual, sensor, motion, exception, smart events
	Input	8 CH local alarm input; supports IPC alarm input
	Output	4 CH
	Triggering	Record, snap, preset, e-mail, etc.
Face	Channel	8 CH
	Face Picture Database	32 libraries 5000 Face Pictures
	Computing Capability	180 pictures / minute
	Face Picture Search	Search by picture is supported
	Database Management	Add, modify, delete and search face pictures
	Face Picture Adding	Add face pictures through APP, WEB and external import
	External face picture enrollment	Resolution ： 128 x 128 ～ 1920 x 1080 Size： ≤ 70KB Format : jpg&jpeg
	Face Picture Comparison	Supports allow list and block list alarm
	Face Track	Yes
	Map of Face Track	Reolution ： ≤ 2560 x 1920 Size： ≤ 512KB Format : jpg&jpeg
	Statistic Graph of Face Information	Bar graph, pie chart
	Statistic Mode of Face Information	Statistics by day, week, month, quarter as well as customized time period

Network	Interface	RJ45 1000 Mbps × 1
	Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs, 802.1x, ONVIF, etc.
	Client Connection	Max.10 users access
Mobile Device	OS	iOS, Andriod
Storage	HDD Interface	SATA × 1, max 8T per HDD
Backup	Local Backup	U disk, USB mobile HDD
	Network Backup	Yes
Port	USB	USB 2.0 × 1, USB 3.0 × 1
	Remote Controller	Optional
	RS 485	Yes (full-duplex), connect to PTZ or keyboard
Others	Power Supply	DC12V/2A
	Consumption	≤ 10W (without HDD)
	Dimensions(mm)	300 × 249 × 45 (W × D × H)
	Working Environment	-10 ～ 50°C ，10% ～ 90% humidity
	Certificate	CE, RoHS
	Environment Protection	Directive EU RoHS

FEATURES

- Supports 8 CH 8MP/ 6MP/5MP/4MP/3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF IP input
- H265S/H265+/H265/H264 coding
- Intuitive and user-friendly Graphic User Interface (GUI), Windows style operation by mouse
- Multi-mode recording: manual / timer / motion / sensor / smart events
- Playback : 8 CH simultaneous playback
- Search : time slice, time, event, tag, smart and target database search
- Supports face detection and comparison
- Supports multiple VCA (Video Content Analytics) events, such as object abandoned/missing, region intrusion, tripwire, video exception, etc.
- Supports POS information overlay on live view and playback
- Express and flexible backup via USB, network and so on
- Pentaplex : preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol
- Remote control via Web Client or CMS : preview, playback, backup, PTZ and configuration
- Dual stream technology for local storage with high definition, remote network transmission and remote surveillance with mobile device
- Multi-user online simultaneously
- Authorization management, log view and device status view
- 4K HD output, true high resolution display
- Supports PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Supports NAT function and QRCode scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Andriod OS

DIMENSIONS

300.00mm

45.00mm

REC
RET
PWR

248.50mm

REAR PANEL

RS485   ALARM OUT   ALARM IN
K/B
B   A   COM1 NO1 COM3 NO3 GND   1   3   5   7

Z   Y   COM2 NO2 COM4 NO4 GND   2   4   6   8
PTZ

AUDIO OUT
AUDIO IN

VGA   HDMI   USB   LAN   DC12V