

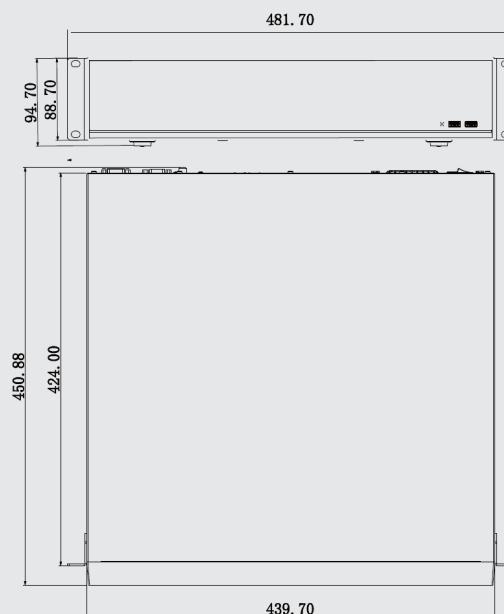
Industrial CCTV



Datasheet rev.A20.2

FEATURES

- 64 Channel IP video record
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 16 Channel perimeter protection
- Up to 4 Channel video stream face recognition
- Up to 24 face pictures /sec processing
- Up to 20 face databases with 100,000 face images in total



TECHNICAL SPECIFICATIONS

System	Main Processor	Multi-core embedded processor
	Operating System	Embedded LINUX
Perimeter Protection	Performance	16 channel, 10 IVS rules for each channel
	Object classification	Human/Vehicle secondary recognition for tripwire and intrusion
	AI Search	Search by target classification (Human, Vehicle) by target
Face Recognition	Performance	Max 24 face pictures /sec processing (modeling and comparing)
		4 channel video stream face recognition / 16 channel picture stream face recognition (with FD camera)
	Stranger Mode	Detect strangers' faces(not in device's face database).Similarity threshold can be set manually.
	AI Search	Up to 8 target face images search at same time, similarity threshold can be set for each target face image.
	Database Management	Up to 20 face databases with 100,000 face images in total. Name, gender, birthday, nationality, address, ID information can be added to each face picture.
	Database Application	Each database can be applied to video channels independently.
	Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.
Metadata	Face	Gender, age, glasses, beard, mask.
	Vehicle	Vehicle color, vehicle model, vehicle logo, plate color, vehicle decorations, call, seatbelt.
	Human Body	Tops style, tops color, bottom style, bottom color, hat, bag.
	Non-motor Vehicle	Type, color, people number.
	AI Search	Support search target video by metadata.
Audio and Video	IP Camera Input	64 Channel
	Two-way Talk	1 Channel Input, 1 Channel Output, RCA
Display	Interface	2 HDMI, 1 VGA
	Resolution	HDMI1/VGA: 1920×1080, 1280×1024, 1280×720, 1024×768
		HDMI2: 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
	Decoding Capability	4-ch@8MP(30fps), 16-ch@1080P(30fps)
	Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16
Recording	Bandwidth	320Mbps (160Mbps when AI function enabled)
	Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
	Resolution	16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.
	Record Mode	Manual, Schedule (Continuous, MD(Motion Detection) , Alarm, IVS)
	Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Video Detection and Alarm	Trigger Events	Alarm Out, Video Push, Email, Recording, PTZ, Tour, Snapshot, Voice Prompt, Buzzer and Screen Tips
	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Scene Change
	Alarm input	16 Channel
	Relay Output	6 Channel
Playback and Backup	Sync Playback	1/4/9/16
	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
	Backup Mode	USB Device/Network/eSATA Device
Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more	
Network	Interface	2 RJ-45 Ports (10/100/1000Mbps)
	Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support Mtechnology IP camera, DVR, NVS, etc.)
	Max. User Access	128 users
	Smart Phone	iPhone, iPad, Android
	Interoperability	ONVIF 2.4, SDK, CGI
Storage	Internal HDD	8 SATA III Ports, Up to 8 TB capacity for each HDD
	eSATA	1 eSATA
Auxiliary Interface	USB	4 USB Ports (2 Rear USB 3.0 , 2 Front USB 2.0)
	RS232	1 Port, for PC Communication and Keyboard
	RS485	1 Port, for PTZ control
Electrical	Power Supply	Single, AC100V ~ 240V, 50 ~ 60 Hz
	Power Consumption	NVR: <16.1W (Without HDD)
	Fan	Smart fan, automatically adjust running speed
Environmental	Operating Conditions	10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Construction	Dimensions	2U, 440mm x 450.13mm x 95mm ; (17.3" x 17.7" x 3.7")
	Net Weight	6.70kg (14.8 lb) (without HDD)
	Gross Weight	9.30kg (20.5 lb) (without HDD)
Certifications	CE	EN55032, EN55024, EN50130-4, EN60950-1
	FCC	Part 15 Subpart B, ANSI C63.4-2014
	UL	UL 60950-1