JUNO

High resolution digital surveillance system for professional security market

IDIS's new JUNO is the fully-featured digital video management system with 16 camera inputs. It is ideally suitable for the high-end security market where requires high resolution image quality, maximum storage capacity and professional security management

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● Applications

• Public Security

Needs enterprise-level solution to cover the whole town, city and over state
Needs to understand outdoor camera environment

- **Two-Way Audio Communication** between monitoring staffs and public streets
- **Map Integration** to monitor public sites at a glance via e-map
- **Integration with ViSS** to monitor the whole city at a central security center
- **Video Blind Detection** to detect unusual camera display such as camera interception by a criminal

• Government Agencies

Needs high-end products to meet government requirements
Needs to comprehend the law

- **The Highest Recording Performance** in the world (480ips @ Half-D1)
- **Pentaplex Operation** for recording, monitoring, playback, network, backup without performance reduction
- **De-Interfacing for D1 resolution recording** to provide exceptional high quality and clearance of video image
- **Chained Finger Print and Multimedia Database** to protect video data from illegal alteration

• Financial Industries

Needs central monitoring and management center for all branches
Needs highly reliable product for video data protection

- **System Integration using ViSS** for customized central monitoring and management center
  (This solution has been already adopted by many enterprise-level financial Institutes)
- **Proprietary Multimedia Database** for extremely stable and efficient system
- **Self-Diagnosis** to monitor full status of HDDs for securing storage functionality
- **Mirroring, Archiving, Remote Archiving** for perfect protection from unexpected data loss

• Transportation

Needs specialized features for anti-terrorism
Needs reliable and easy backup solution

- **Object Tracker** to detect suspicious objects for protecting against terrorism
- **Auto Archiving and Remote Archiving** to secure reliable and sufficient space for video data
- **Four Hot-Swappable HDDs** to replace storages easily without system shutdown
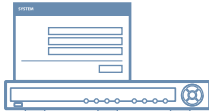
MONITORING

• Video Inputs	Composite: BNC, Looping
• Video Outputs	Composite, SVHS, VGA, 4 SPOT
• Display Resolution	Composite: 720x480 (NTSC), 720x576 (PAL) VGA: 720x480 or 800x600 (NTSC), 720x576 or 800x600 (PAL)
• Display Rate	Real-Time, 30/25ips (NTSC/PAL) per Camera
• Features	Covert Camera, Object Tracker, Triplex Operation, Color Control, Zoom (2x ~ 4x), Event Alert (Email, Pager, Remote S/W), Video Blind Detect

RECORD & PLAYBACK

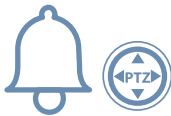|	
• Compression	MPEG4
• Recording Rate	Real-Time, 480ips (NTSC), 400ips (PAL) @ Half D1
• Playback Rate	120ips (NTSC), 100ips (PAL) @ Half D1, Duplex
• Recording Mode	Time-Lapse, Event, Pre-Event (Up to 15 min.), Text-In, Panic
• Search Mode	Date/Time, Calendar, Event, Motion, Museum, Text-In
• Features	Motion Detection, Zoom (x2), Bookmark, One-Touch Clip Copy, Bookmark Clip Copy

SYSTEM

• Operating System	Embedded Linux (Built-In Flash Memory)
• Database File System	IBank 2.0 (Proprietary Multimedia Database Optimized for DVR, Works well even at 90% HDD Failure)
• Languages	Korean, Japanese, Chinese (Traditional & Simplified), English, German, French, Italian, Spanish
• Storage	Max. 4 Hot-Swappable HDD + SCSI HDD
• Data Export Medium	USB (HDD, CD-RW, DVD RW, DVD-RAM, Flash Drive), IDE DVD RW
• Data Backup	Archiving (EIDE HDD, SCSI HDD, USB HDD), Real-Time Mirroring
• Disk Management	Temperature Check, S.M.A.R.T. Diagnosis, Auto Recovery, Auto Deletion
• Features	S/W Update (Remote S/W, USB Flash Drive), Network Time Sync, USB Printer Support, Setup Import/Export

NETWORK

• Connection	Admin: 2 / Watch: 10 / Search: 2 (Ethernet, External Modem)
• Protocols	Static IP, ADSL, DHCP, DVRNS (Enhanced DDNS)
• Remote Software (Basic Features)	Monitoring, Playback, Recording, Setup, PTZ Control, Upgrade, Web Browser Access, System Status Check
• Remote Software (Advanced Features)	Triplex Operation (User-Defined 64 Ch View), Two-Way Audio, Map Integration, Multisite System Health Monitoring
• Network Data Export	Clip Player, AVI, JPG, BMP

IN/OUT

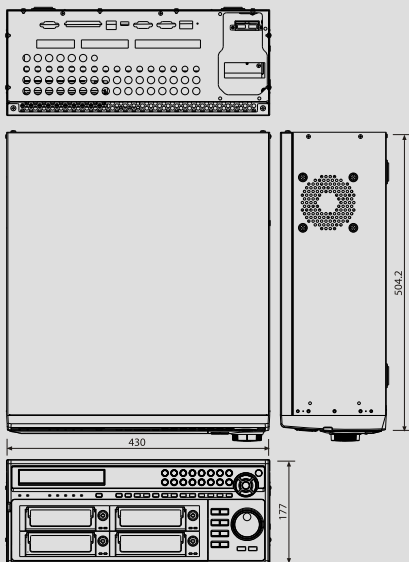|	
• Audio In / Out	16 / 1 RCA
• Alarm In / Out	16 / 12 + 4 Relay
• Auxiliary In/Out	2 RS232, 2 RS485, 3 USB 2.0, SCSI, IR Port
• PTZ Control Protocol	Pan, Tilt, Zoom, Iris, Pattern, Scan, Tour, Auto Panning, Camera On/Off, Menu Control, Pump, Wiper, Light, Aux
• User Interface	Remote Keyboard, Mouse, IR Remote Control, Front Buttons, Jog/Shuttle
• User Group	64 Groups, 256 Users

ETC

• Dimensions (W x H x D)	17.3" x 7.0" x 19.9" (430mm x 177mm x 504.2mm), 4U, Rack
• Unit Weight	16.0Kg
• Operating Temperature	41˚F ~ 104˚F (5℃ ~ 40℃)
• Operating Humidity	0% ~ 90%
• Power	100VAC ~ 230VAC, 2A, 60/50Hz
• Approvals	FCC, UL, CE, CB

Specifications subject to change without notice.

● DIMENSION

● SYSTEM DIAGRAM