

DIGITAL VIDEO RECORDING SYSTEM

DIGITAL RECORDER WITH 2 HARD DISK



NDR924

NDR1648

- Multiplex Operation (Recording, Playback, Archiving, Remote Viewing)
- Built-in MPEG4 Codec with Configurable Quality
- NDR1648 :Variable Recording Speeds Up to 480/400(CIF)
- images per second for NTSC/PAL
- Audio Recording Capabilities
- Motion Detection Capabilities
- Two 3.5" Hot-Swap Hard Disks
- SCSI Interface for External Expanded Storage
- Ethernet Interface for Remote Network Viewing and Controlling
- RS232/RS485 for Remote Control
- Shuttle/Jog Dial for Picture-by-Picture or Fast/Slow Viewing
- Easy-to-use User Friendly Control via Front panel keypad, Shuttle/Jog, Mouse, and Control Keyboard (optional)
- On-Screen Menus Operations with Multi-language Support
- Real Time Live Display for all Cameras
- USB 2.0 Interface for Archiving
- Support external DVD+RW for Archiving (optional)
- Provide Watermark, WatchDog Timer
- Playback Speed: Real time in full screen mode, Quad mode max 50 IPS (multi Screen Mode)

Video Format	NTSC/EIA or PAL/CCIR
Video Input	16 Camera Inputs (BNC) 1Vp-p/75 ohm (NDR1648) 9 Camera Inputs (BNC) 1Vp-p/75 ohm (NDR924)
Video Output	1 BNC Video Out (1Vp-p/75 ohm) and S-Video out for Main monitor 1 BNC Video Out (1Vp-p/75ohm) for CALL Monitor 16 Video Output (1Vp-p) for Looping (NDR1648) 9 Video Output (1Vp-p) for Looping (NDR924)
Video Compression	MPEG4
Recording	720 x 480 (NTSC:120) / 720 x 576 (PAL:100)
Resolution &Rate	720 x 240 (NTSC:240) or 720 x 288 (PAL:200) 360 x 240 (NTSC:480) or 360 x 288 (PAL:400)
Video Display	Full, 4,7, 9, 10, 13, 16, PIP (Live only) and 2x2 Zoom for live and playback
Display Resolution	720 x 240 (NTSC) or 720 x 288 (PAL)
Video Pause	Yes
Alarm Input	16 Alarm Inputs (NDR1648) / 9 Alarm Inputs (NDR924)
Alarm output	4 Alarm Outputs
Hard disk Storage	Two Hot-Swap 3.5" IDE Hard Disk for Internal and SCSI controller for external
Recording Rate	Up to 480/400 (CIF) images per second for NTSC/PAL
Recording Mode	Continue, Time-lapse, Schedule or event recording (motion, video Loss, Alarm)

Playback Speed	Up to 50 pictures per second
Playback Search	By Date/Time or event
Motion Detection	Yes, with configurable detection area & sensitivity
Video Loss Detection	Yes
Event Log	Yes
User Interface	Menu Driven
Setup	On Screen Display Setup
User Input Device	Front panel keypad with shutter/jog (optional for mouse)
Timer	Built-in real time clock
Watch Dog Timer	Yes
Title	12 character title generator for each camera
Ethernet	RJ45 connectors for network communications and wireless network for data transmission (optional)
Archive	USB interface device for archive
RS-232	9-Pin female connector for local communication
RS-485	RJ11 connector for remote control
Audio	4 mono (MIC) input, 4 mono (speaker) output
Power Source	AC100 ~ 240V
Power Consumption	185 W

DVR KEYBOARD



DVK128Z

- DVK128Z**
- Capable of Controlling Speed Dome Camera, DVR and Monitor
 - 3D Joystick Control of PTZ Function
 - LCD Display (20 x 2 Lines)
 - Jog Shuttle Control of DVR
 - Password protection to prevent unauthorized intruder
 - Ergonomic buttons placement with sound indication for easy usage
 - Up to 8 x DVK128Z multi-function keyboard controllers can be cascaded to control in distant places Multi Protocol Support



INTELLIGENT PAN / TILT DOME SYSTEM - RS485 DATA COMMUNICATION



DPT701-X Series

- DPT701-X Series**
- Environment: Indoor / Outdoor
 - Ceiling or wall for optional
 - Compact and attractive appearance
 - ABS plastic, waterproof design
 - Acrylic dome cover
 - Panning range 0-355°
 - Tilt range 0-90°
 - RS485 data communication, built in receiver (PTZ)
 - AC230V or AC 24V input
 - Built in blower and heater for outdoor use

Model	DPT701-X
Dome size	∅ 175mm
Back box construction	ABS
Pan range	0° ~ 355°
Pan Speed	12°/s
Tilt Range	0° ~ 90°
Tilt Speed	12°/s
Max. Size for camera & Lens	135(L) x 65 (W) x 65 (H) mm
Power Consumption	30 VA
Environment	Indoor / outdoor
Work Temperature	-35°C ~ + 55°C (with fan and heater)
Weight	3 Kg
Communication	Multi-protocol, RS485

PAN/TILT DOME CONTROLLED BY PTZC1-24 OR MPT06-24



DPT9X-24 Series

- Rotation Angle**
- Horizontal : 350°
 - Vertical : ± 90°
- Rotation Limit** : Horizontal of vertical adjustable
- Housing Structure** : Light-strength fire-proof ABS
- Pan/Tilt Structure** : Aluminum
- Speed**
- Horizontal : 12° ~ 25° / sec
 - Vertical : 6° ~ 15° / sec
- Input Voltage** : AC 24V or AC 220 V
- Working Temp** : - 25°C ~ 60°C
- Weight** : 2.6 Kg



DPT901-X Series



DPT901-IE

- DPT901-X Series**
- Environment: Indoor / Outdoor
 - Ceiling or wall for optional
 - Compact and attractive appearance
 - Upper Aluminum Alloy
 - Acrylic dome cover
 - Panning range 0° - 355°
 - Tilt range 0° - 90°
 - RS485 data communication, built in receiver (PTZ)
 - AC24V or AC 220 V input
 - Built in blower and heater for outdoor use (Optional)
- DPT901-IE**
- Kinds of camera communication protocols, suitable for intelligence camera
 - Kinds of control protocols
 - Import optical housing will not deform
 - Upper Aluminum Alloy
 - AC 24V
 - Panning Range 0°- 355°
 - Tilt Range 0°- 90°
 - RS485 Data Communication, built in Receiver (PTZ)

- Rotation Angle**
- Horizontal : 350°
 - Vertical : ± 90°
- Rotation Limit** : Horizontal of vertical adjustable
- Housing Structure** : Light-strength fire-proof ABS
- Pan/Tilt Structure** : Aluminum
- Speed**
- Horizontal : 12° ~ 25° / sec
 - Vertical : 6° ~ 15° / sec
- Operation way** : Horizontal continued rotation, Vertical Interval
- Input Voltage** : 220V AC, 24V AC
- Working Temp** : - 10°C ~ 60°C
- Weight** : 2.6 Kg

DOME INSTALLATION ACCESSORIES

