



DX3100 Series Digital Video Recorder

8/16 CAMERA INPUTS, 60/120/240 GB HARD DRIVE

PRODUCT FEATURES

- 8/16-Channel Full-Duplex DVR
- Up to 640 x 240 Recording Resolution Means Extremely High Image Quality
- Embedded Operating System for Maximum Reliability
- Full TCP/IP Remote Interface
- Remote Interface Allows Simultaneous Connection to Multiple DX3100 Units
- Up to 240 GB Hard Drive Space Allows for Months of Recording
- Daily Recording Schedule and Built-in Video Motion Detection Provides Maximum Utilization of Hard Disk Drives
- Local or Remote PTZ Control via Pelco D or P Protocol
- 4 Alarm Inputs and 2 Relay Outputs



The **DX3100 Series** Digital Video Recorder offers maximum performance and reliability through its embedded operating system.

With a maximum recording speed of up to 30 images per second, built-in multiplexer and PTZ functions, the **DX3100 Series** DVR replaces traditional analog Multiplexer/VCR combinations in both price and performance.

A complete set of front-panel controls and handheld infrared (IR) controller complement the equally functional remote software. During live viewing, the customer can select single, quad, 3 x 3 or even 4 x 4 displays to keep informed of all activities.

The PTZ Control Mode is accessible from the front panel via a single button for intuitive operation of positioning systems such as Spectra III™ or Esprit®. Functions such as pan/tilt/zoom are easily accessed via dedicated directional buttons. Any or all of the cameras can be controllable, and a special setup feature allows the receiver addresses to be individually set between 1 and 99 for each camera.

The Playback Mode, again accessed by a single button on the front panel, provides an easy-to-use and intuitive interface. It prompts the user to input the time and date he would like to review and goes straight to that date for immediate review.

Single-camera playback is easily switched to any camera via the individual camera buttons. Additional features such as fast forward, rewind, and image-by-image playback make finding any image a snap.

Virtually every function accessible from the front panel is also operational from the included IR controller. This handheld unit, similar to a TV remote, allows functions to be controlled from across the room. An optional external IR receiver can be connected to the back of the **DX3100**, which allows the unit to be mounted in a different room up to 50 feet away and still be controlled by the IR remote. Multiple **DX3100** units mounted in close proximity can be controlled from a single remote by using the ID per Recorder and ID Quick-Change features of the IR remote.

The most powerful remote software in the industry allows full access to the operation of each **DX3100** and can simultaneously connect up to 16 **DX3100** DVRs via a network. The remote operator is able to view, for example, the front entrance cameras from 16 different buildings around the world simultaneously. Individual live images and/or playback function is supported as well to allow an operator live viewing of some cameras while simultaneously reviewing recorded video from others.



DataFAX
SPEC: 2695
MANUAL: Not Available through DataFAX

C695 / REVISED 9-03



International Organization
for Standardization;
Registered ISO 9001



TECHNICAL SPECIFICATIONS

MODELS

Model Number	No. of Camera Inputs	Total HDD Space
DX3108-060	8	60
DX3108-120	8	120
DX3108-240	8	240
DX3116-060	16	60
DX3116-120	16	120
DX3116-240	16	240

Supplied Accessories:

Rack Ears; Rubber Feet; Remote Site Software CD; IR Remote Controller; DB15 to 8-BNC Cables for DX3116; RS-232C to RS-422/485 Converter

Minimum PC Requirements for Remote Site Software:

Pentium® III Processor, 800 MHz, 128 MB RAM, 1024x768 display resolution, 32-bit color (16 MB), DirectX® capable preferred, Windows® 98 SE/ME/NT 4.05 & 6/2000/XP



**DX3100 IR
REMOTE
CONTROLLER
(SUPPLIED)**

ELECTRICAL/VIDEO

Input Voltage	115/230 VAC switchable, 50/60 Hz
Power Consumption	60W maximum
Signal System	NTSC/PAL switchable
Image Size	352 x 240 and 640 x 240, selectable (NTSC or PAL)
Compression	Enhanced MPEG
Byte Size per Image	Average 3-5 kB, Maximum 8 kB
352x240	Average 6-10 kB, Maximum 12 kB
640x240	8 or 16, depending on model
Video Inputs	1 Analog composite video (monitor output)
Video Outputs	8 BNC outputs for DX3108 models; 16 for DX3116 models, via (2) DB-15 to 8-BNC cables
Looping Video Outputs	4
Alarm Inputs	2
Relay Outputs	RS-422 interface to receivers
PTZ Control	LAN, WAN, or Internet-based on TCP/IP
Remote Connection	

MECHANICAL

Connectors

BNC

Screw Terminals
15-pin, D-Type
9-pin, D-Type
RJ-45
Stereo Mini DIN

Video inputs, looping video outputs (DX3108 only), monitor output
Alarm inputs, relay outputs
Looping video (DX3116 only)
Com 1 and 2
10/100 Base-TX Ethernet
External IR receiver

GENERAL

Operating

Temperature
Storage Temperature
Relative Humidity
Dimensions

41° to 104°F (5° to 40°C)
-4° to 149° F (-20° to 65°C)
Maximum 80%, non-condensing
3.5" H x 17.3" W x 18.3" D
(8.8 x 44.0 x 46.5 cm)

Mounting

Fits 19-inch EIA Standard rack (2 RUs); rack ears supplied for mounting.

Weight

60/120 GB Model
240 GB Models

Unit	Shipping
23.5 lb (10.67 kg)	35 lb (15.9 kg)
25.0 lb (11.33 kg)	36 lb (16.3 kg)

CERTIFICATIONS/RATINGS

- CE, Class B
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class B

OPTIONAL ACCESSORIES

DX3100IRREC

External infrared receiver for IR Remote Controller. 1.6" H x 1.1" W x 0.7" D (4.0 x 2.8 x 1.8 cm). Extends operating distance of remote to 50 feet (15.2 m).



**DX3100 IRREC
EXTERNAL RECEIVER
(OPTIONAL)**



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