

# DX-TL5000U



16-Channel Digital Video Recorder  
With Unique GUI Menu For Simple Programming

# DX-TL5000U



## ENTERPRISE LEVEL DIGITAL VIDEO RECORDER WITH UNRIVALED PERFORMANCE & RELIABILITY

### Key Features

- Viewing rate up to 960 PPS
- Recording rate up to 240 PPS
- JPEG 2000 video compression
- Graphical User Interface (GUI) menu for simple programming utilizing a standard USB mouse
- Multiple HDD options
- Triplex recorder
- Dual multiplexer outputs
- Abundant copy features
- Advanced motion detection
- Individual field/frame record settings
- Cascading connection
- Multi channel audio recording
- Network capability for remote view and archive

The DX-TL5000U from Mitsubishi is the latest breakthrough innovation in digital video recording technology that provides the utmost in performance for enterprise level security recording applications. Displaying a blazing 960 pictures per second live and up to 240 pictures per second record, access to stunning live and recorded images is possible. With its built in integrated CD/DVD writer and USB ports, archiving is simplified. Video can also be copied for backup through the network to network attached storage servers (NAS). Built on stable, secure Linux® operating system, the DX-TL5000U is easy to set up and use via USB mouse and an uncomplicated GUI interface. It's highly scalable, too. With cascade connection, up to 15 additional DVRs can be connected to the main unit for access and control up to 256 cameras. Through built-in network, thousands of cameras can be viewed through remote software. Memory can be expanded to terabytes of storage. Options include a security keyboard controller, XGA video output and external HDD extension units. Geared for high end security

recording applications that require strong features and performance, the DX-TL5000U is the answer for the biggest security challenges.



Panel Open



## SPECIFICATIONS

### Recording Capacity 500GB

Picture Grade	Recording PPS (Camera total)															Rec Picture	
	240	120	60	48	32	30	16	13	10	8	4	2	1	0.5	0.25		0.125
Super	0d15h	1d7h	2d15h	3d7h	4d23h	5d6h	9d21h	12d4h	15d19h	19d19h	39d13h	79d4h	158d7h	316d15h	633d7h	1266d15h	1367900
Fine	0d18h	1d13h	3d1h	3d20h	5d19h	6d3h	11d13h	14d5h	18d11h	23d3h	46d5h	92d10h	184d23h	369d21h	739d19h	1479d14h	1597900
High	0d22h	1d20h	3d17h	4d15h	6d22h	7d9h	13d21h	17d2h	22d5h	27d18h	55d13h	111d2h	222d5h	444d10h	888d20h	1777d17h	1919800
Standard	1d3h	2d7h	4d15h	5d19h	8d16h	9d6h	17d9h	21d9h	27d19h	34d18h	69d12h	139d	278d2h	556d5h	1112d10h	2224d21h	2402800
Basic	1d12h	3d2h	6d4h	7d17h	11d14h	12d9h	23d5h	28d13h	37d3h	46d9h	92d19h	185d14h	371d6h	742d13h	1485d1h	2970d3h	3207600
Long	2d7h	4d15h	9d7h	11d15h	17d10h	18d14h	34d20h	42d21h	55d18h	69d17h	139d8h	278d18h	557d.14h	1115d4h	2230d8h	4460d17h	4817500

The camera operation setting is set to the same interval for all cameras (without audio recording).

Recording time - d:day h:hour

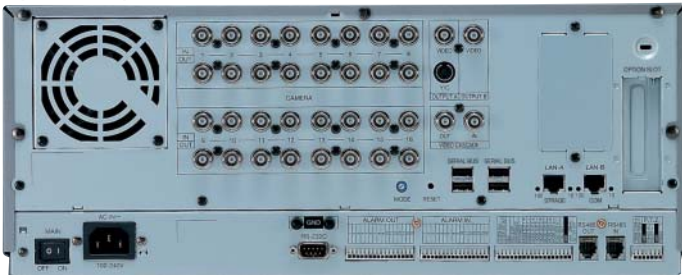
Item	Description	
Main Recording Medium	2 large capacity HDD is built-in, Additional 1 HDD can be added internally to increase on-board storage.	
Internal Recording Medium	DVD drive (DVD-R/RW, CD-R/RW)	
External Recording Medium	Extended recording HDD (Optional) NAS drive SCSI I/F HDD	
Color System	NTSC system	
Signal Compression System	JPEG2000	
Number of Picture Elements Processed	720 x 240 pixels : Field recording 720 x 480 pixels : Frame recording	
Display rate	960 field/sec./display (60 field/ch)	
Recording rate	240 field/sec. (60 field/ch)	
Video Terminal	Input	16-channel input BNC : 1.0Vp-p 75Ω
	Through Output	16-channel through output BNC : 1.0Vp-p 75Ω (during AC power supply)
	Output A	BNC 1-channel : 1.0Vp-p 75Ω S terminal 1-channel : Y 1.0Vp-p 75Ω/ C 0.3Vp-p 75Ω RCA output 1-channel : 1.0Vp-p 75Ω
	Output B	BNC 1-channel : 1.0Vp-p 75Ω
Audio Recording System	PCM	
Audio Terminal	Input	4-channel RCA-Pin plug : 308mV(rms), 50kΩ
	Output	RCA-Pin plug on rear : 308mV(rms), 1kΩ
Recording Interval	Can be set for each camera with function to estimate possible recording time	
Alarm Recording	Recording time : 2sec, 5sec, 10sec, 15sec, 30sec, 45sec, 1min, 2min, 5min, 10min, 20min, 30min, 60min and contact	
Pre-alarm Recording	Can be set from 1 sec. up to 1 hour (LPA/Emergency)	
Emergency Recording	Emergency input terminal (rear)	
Power Failure Recovery Recording	Auto-restart of unit after power failure	
HDD Usage	Displays percentage of hard disk space used	
Menu	GUI menu	
Menu Language	English, French, and Spanish	
Motion Detection Function	22(H) x 19(V) detection area setting, 5 steps detection sensitivity setting, recording start dot number setting	

Item	Description	
Clock Adjusting Function	Clock adjusting input (rear terminal)	
Retrieval	Date & Time search, Alarm List search, Bookmark search, Motion search	
Multiplexer Function	Split display : 4, 9, 10, 13, 16 split display x 2 Sequential display : 1, 4, 9 display x 2	
Interface	Input	16-channel ALARM IN
		1-channel REC IN
		1-channel REC STOP IN
		1-channel EMERGENCY
		1-channel CLOCK ADJ
	Output	4-channel MODE OUT
		16-channel ALARM OUT
		1-channel CALL OUT
		1-channel CLOCK ADJ OUT
		DC12V OUT
RS232C	1-port for TL5000 control	
RS422/RS232C/RS485	1-port Camera control	
RS485	1-port for Cascade control input, 1-port for output	
Remote Access	1-jack for wired remote control unit connection (optional)	
Serial Bus	2-port of USB jack on front, 4-port on rear	
LAN	2-port of 10/100Base-T/TX	
	LAN-A for External Recording, LAN-B for communication	
Network	Live viewing, Live viewing & Playback and search by TCP/IP and WEB Image data downloading, PTZ Control, Access to multiple DVRs by TCP/IP Alarm notification by E-mail and TCP/IP	
Power Supply	AC100-240V 56/60Hz	
Power Consumption	1.0-0.45A (100-240V)	
Operational Conditions	Temperature: 5°C-40°C; Humidity: 30%-80%; Altitude: Max 2000m	
Dimensions (W x D x H)	16.8 x 15.4 x 6.9" (425 x 390 x 175 mm)	
Weight	30.8 lbs. (14.0 kg) (capacity:500GB)	
Accessories	AC power cord (Continental plug), USB mouse, Instruction manual	

### Cascading Connection



### Input And Output Terminals



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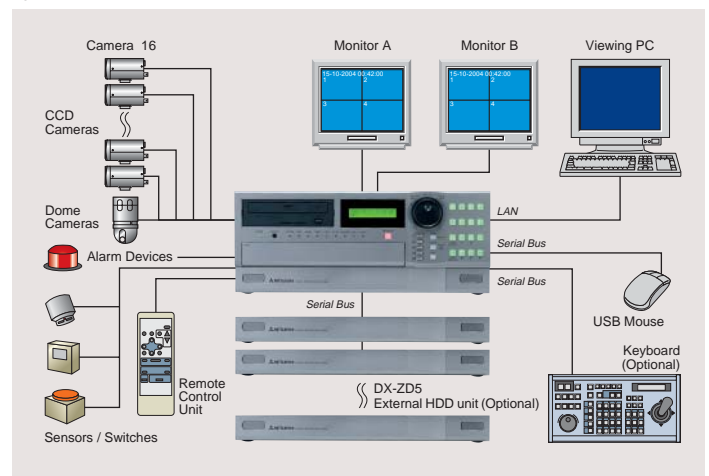
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### System Structure



SECURITY PRODUCTS

Picture Perfect Security, Frame After Frame.