

SATATYA DVR Digital Video Recorders

The Persistent Vision

World has become security conscious due to an alarming rate at which illegal activities are on the rise. Government, institutions and enterprises of all sizes are realizing an urgent need to visually monitor all the activities. Real-time video surveillance systems based on latest technologies are proving to be one of the most effective methods of addressing a wide range of security challenges in both the public and private sectors.

Presenting Matrix SATATYA DVR - a high performance, reliable and user friendly digital video recorders for Small, Medium and Large Enterprises. Developed on the latest technologies, Matrix SATATYA DVR series digital video recorders are combined with advanced H.264 video standard for maintaining higher performance and providing greater storage capability. SATATYA DVR can be used both as a standalone video surveillance product and also to build a powerful surveillance network suitable for all types of business applications.

High Performance

Matrix SATATYA DVR is built on high performance embedded microprocessor for providing uninterrupted performance while recording, monitoring and playback. It uses the latest H.264 video compression technology for providing the best image quality with minimum storage space requirement. Real-time recording, greater storage, efficient local and remote monitoring along with playback and powerful alarm management makes SATATYA DVR a perfect surveillance solution for today's security needs.

Comprehensive

Matrix SATATYA DVR is an all-in-one surveillance solution to store and manage complete video in a single and easy-to-install box. Powerful central monitoring software (SATATYA CMS), web client (DVR Web Client) and mobile viewer (SATATYA MV) makes SATATYA DVR a complete professional video surveillance tool for local and remote monitoring. In addition, large variety of cameras with different models meet the diverse requirements of all types of surveillance applications.

Security

Matrix SATATYA DVR provides complete data security by restricting the access of video content to defined users. To offer a high level of security SATATYA DVR gives access only to specific IP addresses, provides password protection and blocks online users.

Reliability

The embedded design and Linux operating system of SATATYA DVR extends a high level of security against any network attacks, with almost zero maintenance. Advanced data storage management like auto backup and file upload on FTP, protect unexpected disk failure as well as saves valuable video data.

Integration

Matrix SATATYA DVR range of products can be easily integrated with other security products. It allows third-party systems connectivity such as access control system, fire alarm system, sensors and relay devices without any need of additional hardware. Moreover, any analog camera of other brands can be easily connected with SATATYA DVR.

Remote Accessibility

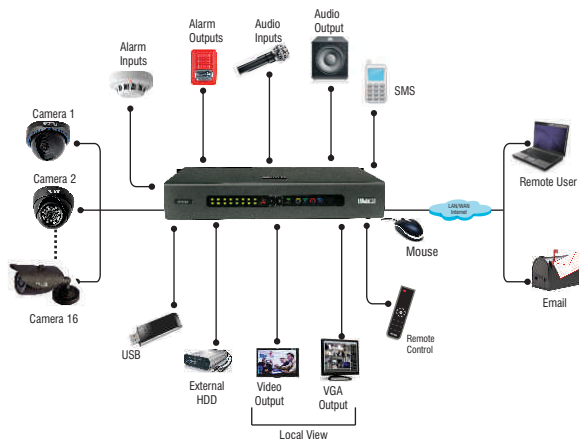
SATATYA DVR offers web interface to access live and recorded video from any location using web client or SATATYA CMS. Remote functionality enables the user to perform functions like: real-time monitoring with PTZ control, file download, view log information, firmware upgradation and system programming. Advanced alarm management through web interface helps in taking immediate actions on occurrence of any event.



SATATYA DVR Key Differentiators

- Synchronous Playback for All Channels
- Live View and Playback on Single Window
- Scheduled Backup
- SMS and Email Notifications
- Selectable Layout Styles
- Multiple Actions for each Alarm Notification
- Multiple Recording Types
- Camera Grouping
- CMS and Mobile Viewer
- IR Extension for Remote Control
- Dyn DNS and Matrix MAC Server Support

SATATYA DVR Interfaces:



SATATYA DVR Architecture:



SYSTEM FEATURES

H.264 Compression Standard

Built-on the latest H.264 compression standard, SATATYA DVR reduces the amount of bandwidth required to transmit and store video. This reduces overall storage cost and increases efficiency without compromising on image quality during recording and playback functions.

Channels and Resolution

Matrix SATATYA DVR is available in 4, 8 and 16 video channels which can record from analog camera at CIF to D1 resolution. Camera resolution and frame rates can be set per channel as required.

Multiple Control Methods

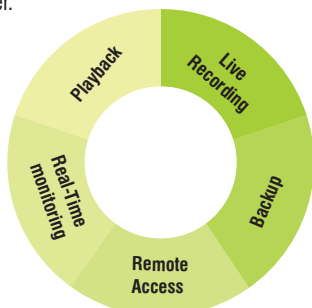
Multiple control methods available in SATATYA range of DVRs offer a high degree of operational flexibility. Its front panel touch sense keypad, IR remote control and mouse enables easy and quick access to the system. With IR module extension feature, SATATYA DVR is accessible from a distance with a remote control. It's intuitive GUI, Web Client and CMS makes its operations easily accessible from any local or remote place.

Dual Streams

Matrix SATATYA DVR provides Dual Stream option for simultaneous recording and transmission of video. It records with high resolution on main stream and gives an option to transmit on sub-stream with lower bit rates for remote viewing. Thus, it preserves network bandwidth and increases remote viewing performance.

Pentaplex Functions

Any video recorder's performance is measured on how effectively it can perform live recording, monitoring, playback, backup and remote access functions simultaneously. Matrix SATATYA is designed to perform these pentaplex functions at the same time for giving the best surveillance solution to the user.



Recording

Recording Flexibility

SATATYA DVR offers various options like manual, continuous, scheduled, alarm and motion to start video recording. It gives flexibility to configure scheduled and continuous recording simultaneously on every channel. Event based, pre-alarm and post-alarm recording helps to utilize maximum disk space as it records only when any event occurs.

Privacy Masking

Privacy Masking allows to protect privacy by concealing parts of the image from viewing within a masked area. Areas applied with privacy masks will not be recorded and displayed on the DVR. Privacy Masking is important in areas that needs surveillance but requires privacy as well.

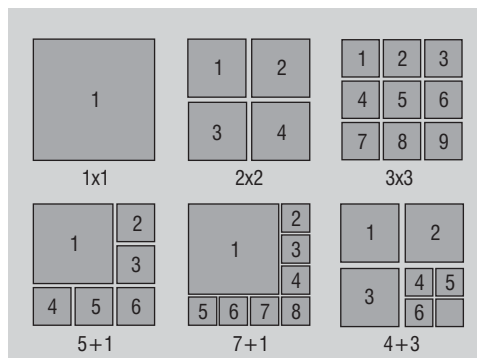
Motion Detection

Motion Detection allows the DVR to start video recording only when any motion is detected on defined camera. This feature is mainly used to save storage space on the hard drive from irrelevant video data.

Monitoring

Monitoring Modes

SATATYA DVR provides different Monitoring Modes such as single, sequential, picture-in-picture (PIP) and variety of layout templates such as 1x1, 2x2, 3x3, 4x4, 4+3, 5+1, 7+1, 8+2 and 12+1 for effective monitoring of the video streams.



Layout Styles

Matrix SATATYA DVR facilitates admin to select different Layout Styles according to his preference. This can be done by selecting a layout template and associating a channel number to each monitoring window of that template. User can also define a sequence of configured Layout Styles or set of channels using a selected layout template.

Digital Zoom

A very useful monitoring feature which helps to get a closer inspection of defined area on the screen during live view and playback. Digital Zoom function is available on local GUI, Web Client and CMS.

Video Freeze and Snapshot

Sometimes it is required to analyze particular video frame in detail during live monitoring or playback. While live monitoring, video freeze feature helps to obtain a steady screen for further analysis. Apart from this SATATYA DVR captures a snapshot of the video during monitoring or playback and stores it for future reference.

Search and Playback

Smart Search

Smart Search option in SATATYA DVR allows user to reach recorded video instantaneously without wasting time. User can search the video using various filters like channel name, number, date, time and recording types such as manual, motion, alarm and schedule.

Simultaneous Playback

SATATYA DVR offers Simultaneous Play back of all the channels locally and remotely. Admin can reach any particular video directly using filters like manual, schedule, alarm and motion. During playback functionality, SATATYA DVR offers various options like fast forward (with different speed), fast reverse, slow forward, previous and next video for making playback function smoother.

Events and Alert Management

Events and Actions

Matrix SATATYA DVR is a smart device which detects various events like motion, alarm, manual trigger, power on, disk error, disk volume full and network disconnected. Upon receiving any of the events, system takes immediate actions like SMS and Email notifications, buzzer notification, TCP notification, recall preset, activate alarm outputs, upload images on FTP server and start recording on defined channels.

SMS and Email Notifications

Instant notification of critical events helps organization to take immediate actions to prevent any major accident. SATATYA DVR gives facility to send SMS and Email Notifications to multiple users automatically on the occurrence of any such events. Admin can assign SMS and Email alerts for various events such as motion detection, network disconnection, power on, storage alert, disk error, disk volume full, etc.

Multiple Channels Linking

Linking of multiple video channels is essential for real video surveillance application. On the occurrence of events like motion detection, camera tampering, video loss on a specific channel, system will start recording from other pre-defined video channel.

Storage

Greater Storage

Due to large number of cameras, higher resolutions and longer data retention, user needs a flexible video storage solution. SATATYA DVR offers greater storage capabilities of up to 4TB using 2 SATA hard disks. H.264 compression standard utilize less space for more video which offers longer video recording. Advanced options like FIFO (First-in First-out) and programmable frame rates for each channel ensures optimum usage of the hard disks for continuous recording.

Scheduled Backup

Video file backup is most essential to prevent data from any accidental loss. SATATYA DVR has the facility to take manual backup on USB port or scheduled backup on network at predefined time.

Storage Management

SATATYA DVR continuously monitors the free space on the hard disk and send notification to the user when it reaches a predefined level. It also gives an option to overwrite on oldest recorded data after the memory gets full.

Interfaces

Video Output

SATATYA DVR is designed to connect various video output devices to its output ports. VGA and main video output ports are used to connect a monitor or TV for live viewing or configuration. Spot output is used for live monitoring of video.

Audio Channels

SATATYA DVR allows connections for 2 audio inputs for each camera and one audio output. All the audio and video channels are perfectly synchronized with each other. Furthermore, system has the provision to associate one audio channel with multiple video channels.

Serial Port

Matrix SATATYA DVR is available with RS-485 port to be used for PTZ camera control.

Alarm Detection and Management

Alarms play a major role in real-time video surveillance. Satatya DVR allows connection for 16 alarm input devices and 3 output devices. Using Input and output linking, admin can program various applications. For example, on detection of any video loss the alarm output port connected to the access control system should be activated and door should be locked. It also takes quick actions like upload an image on FTP, send SMS and Email notifications or take PTZ tour.

Software Features

Channel Setting

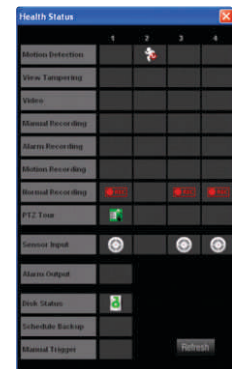
SATATYA DVR allows configuration of various parameters related to each channel individually. Channel name, resolution and frame rate for main and sub stream can be set, while audio, privacy mask, image appearance and on screen display for each channel can be configured.

PTZ Control

Pan, Tilt and Zoom are very important functions for any real-time surveillance application. SATATYA DVR allows connections for up to 16 PTZ cameras with the system and control using Web Client, CMS or local GUI. A PTZ tour can be programmed with up to 64 different camera positions per channel.

System Health Status

In order to continuously monitor the status of various system parameters, system has a separate page which continuously updates according to the present status of the system. This page displays status of hard disk and event storage on DVR. In addition to this, it displays channel-wise status of various parameters like motion detection, video, manual recording, tampering, alarm, PTZ tour, sensor input, etc in colorful symbols.



Network

DynDNS and Matrix MAC Server

With Dynamic DNS, system constantly updates an IP address to DDNS server so that user can easily access the system from anywhere just like any website. Moreover, Matrix MAC Server provides an alternate solution to DynDNS. It saves time and cost by eliminating separate DDNS server handling.

SATATYA CMS

Centralized Video Surveillance Application Server



Matrix SATATYA CMS provides seamless management of video and audio across multiple SATATYA DVRs and NVRs. It is easy to install and configure and intuitive to use. It allows monitoring and controlling multiple recording devices from one place.

36 Channels Simultaneous Display

CMS can display up to 36 video channels in a single window. Admin can select different layouts for monitoring.

Audio, Video and Visual Alerts

CMS has the provision to give audio, video and visual alert on detection of any predefined event.

Intelligent E-map

Using E-map, user can drag cameras of different DVRs and NVRs on JPEG of actual map of the organization. This will help to give an overall idea of all system locations. On detection of any event, that particular system will start blinking.

Native to AVI File Conversion

To view video file on different players, CMS has the facility to convert native video file into common AVI format.

Grouping of Multiple Cameras of Different DVRs and NVRs

CMS allows grouping of multiple cameras of different DVRs and NVRs. This camera group can be viewed with a single click on a single window.

Local Storage and Playback

CMS can store video on local system and playback it whenever required.

Local Schedule Recording

Other than system recording, CMS has the provision to record at schedule time on a local system.

SATATYA MV

Video Viewer Software for Mobiles

There is no greater peace of mind if we know our business and homes are safe when we are away. SATATYA MV enables users to view live video of SATATYA DVR through a mobile at any time and from anywhere. User can configure multiple SATATYA DVR and access live streaming from it.

- Single Channel Live Display
- Remote Control for PTZ Cameras
- Support up to 10 SATATYA DVR
- DVR and Camera Configuration Favorite Channel



SATATYA Web Client

The SATATYA Web Client allows remote access to live and stored video images of SATATYA DVR from a remote location through web. It allows user to remotely access, search, browse, display and transfer stored video to a remotely connected workstation. Additionally, users may simultaneously access up to 16 video channels, remotely configure DVR and camera settings and receive notification of events such as alarm, motion detection and video loss.

- Full Screen Mode Live Monitoring
- Sequence Live Monitoring
- Pentaplex Functions
- Simultaneous Playback for up to 16 Video Channels
- User Login and Access Privilege
- Alarm Notification and Management



FEATURES LIST

Channels and Resolution

- 4, 8 and 16 Channels
- H.264 Video Compression
- QCIF, CIF, 2CIF and D1

Recording

- Manual and Scheduled
- Pre-alarm and Post-alarm
- Channels-wise Frame Rates and Resolution
- Trigger based

Monitoring

- 1x1, 2x2, 3x3, 4x4, 5+1, 7+1, 4+3, 8+2, 12+1
- Single, Sequential, PIP1 and PIP2
- Digital Zoom on Live
- User Defined Layout Styles
- User Selectable Display Sequence

Storage and Backup

- Up to 2 SATA HDD Support
- Up to 4 TB Storage Capacity
- Export in Native File Format
- Export Video to FTP and USB
- Manual and Scheduled Backup
- Storage on FIFO Basis

Playback

- Live and Remote Playback
- Different Speed Control
- Fast Forward
- Slow Forward
- Single Step Forward
- Next and Previous Video
- Synchronous Playback for All Channels

Search

- Channels
- Date and Time
- Recording Type

Intelligent Features

- Pentaplex Function
- Motion Detection

- Dual Streams
- Privacy Masking
- Pelco P and D Protocol Support
- Day Light Saving Time (DST)
- Integration with Access Control System
- DynDNS and Matrix MAC Server

Alarm Security

- 2, 8 and 16 Alarm Input
- 3 Alarm Output
- Motion Detection
- Video Loss
- Video Tamper

Events

- Disk Error
- Disk Volume Full
- Manual Trigger
- Motion Detection
- Network Disconnected
- Power On
- Storage Alert

Action on Events

- Buzzer Notifications
- Email Notifications
- Recall Preset
- Recording on Selected Channels
- SMS Notifications
- TCP Notifications
- Turn on Alarm Outputs
- Upload Images on FTP Server

Remote Function

- Live Camera Monitoring with PTZ Control
- Menu Configuration
- Record Video
- Live View and Playback
- Firmware Upgrade

Control

- IR Remote Control
- IR Extension for Remote Control
- Front Panel Touch Sense Keypad
- Mouse

Audio

- 2 Audio Inputs
- G.711 Audio Compression
- 1 Audio Output

Security

- IP Access Control List
- Block Online Users
- Secure Remote Access
- Video Access Rights

System

- 10,000 Events Log
- 3 User Access Levels (Default)
- Embedded Web Server
- Intuitive GUI
- Linux Embedded OS
- Online Users List
- Multiple Concurrent Login Sessions (Up to 10)
- Multiple Programmable Users (Up to 18)
- Web-based Interface
- System Health Check
- Camera Grouping

Centralized Monitoring

Software (CMS)

- 36 Channels Simultaneous Display
- Audio, Video and Visual Alerts
- Intelligent E-map
- Native to AVI File Conversation
- Grouping of Multiple Cameras
- Local Storage and Playback
- Local Schedule Recording

Mobile Viewer (MV)

- Single Channel Live Display
- Remote Control for PTZ Cameras
- Support up to 10 SATATYA DVR
- DVR and Camera Configuration
- Favorite Channel






TECHNICAL SPECIFICATIONS

		SATATYA DVR4S	SATATYA DVR8S	SATATYA DVR16S
Video	Input	4 Channels, BNC	8 Channels, BNC	16 Channels, BNC
	Standard	PAL (704x576) and NTSC(704x480)		
	Compression	H.264		
	Output	1Main Video (BNC), 1 VGA	1Main Video (BNC), 1 Spot Video (BNC), 1 VGA	
Audio	Compression	G.711		
	Input	2 Channels, RCA Ports		
	Output	1 Channel, RCA Port		
Alarm	Input	4	8	16
	Output	1	3	
Display	Split	PIP1, PIP2, 2x2	PIP1, PIP2, 2x2, 5+1, 7+1	PIP1, PIP2, 2x2, 3x3, 4x4, 5+1, 7+1, 4+3, 8+2 and 12+1
	Resolution	800x600, 1024x768, 1280x1024, 1280x960		
	Privacy Masking	Yes		
	Digital Zoom on Live	Yes		
	Freeze View	Yes		
	Snapshot	Yes		
	OSD	Channel Number and Name, Status, Video Loss, Motion Detection, Recording, View Tamper, Blocked View and Disabled Channel		
Recording	Image Resolution	D1, 2CIF and CIF		
	Pre-Record	Up to 30Sec		
	Post-Record	10-300 Sec		
	Snapshot Format	JPEG		
	Recording Modes	Manual, Continuous, Scheduled, Motion, Alarm		
Playback & Backup	Synchronous Playback	4	8	16
	Search Mode	Date and Time, Channel, Recording Type		
	Playback Modes	Fast Reverse, Fast Forward, Slow Forward, Previous Video, Next Video, Different Speed Control		
	Backup	Manual Backup over USB, Scheduled Backup over USB/FTP		
	Network Functions	TCP/IP, DHCP, PPPOE DNS, DDNS, Matrix MAC Server, FTP, SMTP, NTP		
	Remote Operation	Monitor, PTZ Control, Playback, System Setting, File Download, Log Information, Upgrade		
Video Detection & Alarm	Trigger Events	Motion Detection, System Alarm Detection, Storage Alert, Disk Volume Full, Disk Error, Network Disconnected		
	Actions	Recording on Selected Channel, Upload Images on FTP server, Email Notification, TCP Notification, Recall PTZ Preset Position, Turn On/Off Alarm Outputs, Buzzer Notification, SMS Notification		
	Motion Detection	Yes		
	Video Loss	Yes		
	View Tamper	Yes		
Storage	SATA Interface	1 SATA Port (2 TB per Port)	2 SATA Ports (2 TB per Port)	
Interfaces	Communication Interface	1 RJ45 10/100 Mbps Adaptive Ethernet Interface		
	USB	1 Port	2 Ports	
	RS-485	1 Port (PTZ Control)		
	Mouse	USB Port	PS/2 Port	
System	Processor	High performance Embedded Microprocessor		
	OS	Linux		
	Control Mode	Mouse, Remote Control, CMS and Web Client	Front Panel, Mouse, Remote Control, CMS & Web Client	
Electrical	Power Input	12VDC@2A	12VDC@5A	
	Power Consumption	Less than 24W(with 1 HDD)	Less than 60W(with 1 HDD)	
Environmental	Operating Temperature	-10°C to +50°C (14°F to 122°F)		
	Humidity Range	5% to 95% RH Non-Condensing		
Mechanical	Dimensions (WxHxD)	220 X 65 X 123.5mm (8.66" X 2.55" X 4.86")	445 X 44.45 X 245mm (17.51" X 1.75" X 9.64")	445 X 74.50 X 245mm (17.51" X 2.93" X 9.64")
	Weight	1.2Kg (2.64 lbs)	2.94Kg (6.48 lbs)	3.54Kg (7.8 lbs)

SOFTWARE RESOURCES	
Events Log	10,000
Role based Access Control Level	Administrator, Operator and Viewer
Programmable Users	18
Simultaneous Login Users	9
IP Access Control List	Yes
Day Light Saving	Yes

SOFTWARE REQUIREMENTS	
Operating System	CMS → XP SP3, Vista, Windows 7 (32/64 bit) Web Client → Windows XP and above
Web Browser	Internet Explorer 6 & above (for DVR Web Client)
Processor	Intel Pentium 4 Processor (Minimum) Intel i5 or above (Recommend)
RAM Memory	1 GB (Minimum), 2 GB (Recommend)
Free Disk Space	200 MB (Minimum)
Connection	10/100 Base-T Network Interface

SATATYA CA - Video Surveillance Cameras

MODEL NAME	SATATYA CAD480B/W	SATATYA CADR480B/W	SATATYA CAD600B/W	SATATYA CADR600B/W	SATATYA CABR600B
SPECIFICATIONS					
TVL	480	480	600	600	600
Type	Mini Dome	IR Dome	Mini Dome	IR Dome	IR Bullet
Signal System	PAL/NTSC				
Lens	Board lens 3.6mm/F2.0				
CCD	Color 1/3" SONY				
Minimum Illumination	0.01 Lux	0 Lux with LED on	0.001 Lux	0 Lux with LED on	0 Lux with LED on
AWB (Auto White Balance)	Yes				
BLC (Back Light Compensation)	Yes				
Automatic Gain Control	Yes				
Number of LEDs in IR Camera	NA	24	NA	24	24
IR Camera Range	NA	20M	NA	20M	20M
S/N Ratio	More than 48dB	More than 48dB	More than 50dB	More than 50dB	More than 50dB
Scanning System	2:1 Interface				
Power Source	DC12V (+/-10%) / 150mA	DC12V (+/-10%) / 350mA	DC12V (+/-10%) / 150mA	DC12V (+/-10%) / 350mA	DC12V (+/-10%) / 350mA
Auto Electronic Shutter	1/50s ~ 1/100,000s				
Color	Black or White	Black or White	Black or White	Black or White	Dark Gray
Video Output	1Vpp, 75Ω				
Power Consumption	1.8W	4.2W	1.8W	4.2W	4.2W
Weight	350gm	300gm	350gm	300gm	830gm
Dimension	98*70(H)mm	94*69(H)mm	98*70(H)mm	94*69(H)mm	175*69*55 mm(WHD)
Operating Temperature	-10°C ~ +45°C, RH 95% Max				
Certification	CE, FCC and RoHS				

ORDERING INFORMATION

PRODUCTS	DESCRIPTION
SATATYA DVR4S	H.264 based 4 Channel Digital Video Recorder with 4 Channels Video and 2 Audio Inputs, 1 SATA HDD, CMS, Web Client, Mobile Viewer, CIF Real Time Recording, Dual Streaming, All Channels Simultaneous Playback and Recording and Video Output through VGA and Main Out.
SATATYA DVR8S	H.264 based 8 Channel Digital Video Recorder with 8 Channels Video Inputs and 2 Audio Inputs, 2 SATA HDDs, CMS, Web Client, Mobile Viewer, CIF Real Time Recording, Dual Streaming, All Channels Simultaneous Playback and Recording and Video Output through VGA, Main Out and Spot Out.
SATATYA DVR16S	H.264 based 16 Channel Digital Video Recorder with 16 Channels Video Inputs and 2 Audio Inputs, 2 SATA HDDs, CMS, Web Client, Mobile Viewer, D1, CIF, 2CIF, QCIF, Dual Streaming, All Channels Simultaneous Playback and Recording and Video Output through VGA, Main Out and Spot Out.
SATATYA CAD480B/W	Dome Camera having 1/3" Sony CCD, 480TVL, 0.01Lux, 3.6mm Fixed Board Lens/F2.0 with Black or White Enclosure.
SATATYA CAD600B/W	Dome Camera having 1/3" Sony CCD, 600TVL, 0.001Lux, 3.6mm Fixed Board Lens/F2.0 with Black or White Enclosure.
SATATYA CADR480B/W	IR Dome Camera having 1/3" Sony CCD, 480TVL, 0 Lux on LED on, 3.6mm Fixed Board Lens/F2.0, 24 LEDs with Black or White Enclosure.
SATATYA CADR600B/W	IR Dome Camera having 1/3" Sony CCD, 600TVL, 0 Lux on LED on, 3.6mm Fixed Board Lens/F2.0, 24 LEDs with Black or White Enclosure.
SATATYA CABR600B	IR Bullet Camera having 1/3" Sony CCD, 600TVL, 0 Lux on LED on, 3.6mm Fixed Board Lens/F2.0 and 24 LEDs.

APPLICATIONS

MANUFACTURING

Video surveillance not only provides basic security to factories but can also be integrated with production facilities, bringing productivity benefits to the management. Matrix SATATYA DVR with its enhanced features provide complete safety and security, reduce losses and improve productivity of the organization.

Benefits of SATATYA DVR in Manufacturing

- Improve productivity
- Control product quality
- Improve safety at workplace
- Continuous surveillance reduces theft



RETAIL OUTLETS

Shoplifting and misuse of account are the major reasons of losses in retail business. To survive with the rising competition retailers are forced to focus on preventing and controlling these losses. Matrix SATATYA DVR with its enhanced features provide complete security, reduce losses and improves customer experience.

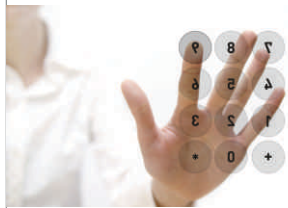
Benefits of SATATYA DVR in Retail

- Reduce loss of materials by minimizing shoplifting and inventory shrinkage
- Continuous surveillance for reducing theft after working hours
- Prevent employee theft
- Provide customer service information
- Helps to study buying pattern of customers
- Evaluate display strategy by monitoring customer's behavior
- Improve productivity



ABOUT MATRIX

An ISO 9001 Company, Matrix is a leader in Telecom and Security solutions for modern businesses and enterprises. An innovative, technology driven and customer focused organization; the company is committed to keep pace with the revolutions in the telecom and security industries. With around 30% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like IP-PBX, Universal Gateways, VoIP Gateways and Terminals, GSM Gateways, Access Control and Time-Attendance Systems, Video Surveillance System and Fire Alarm Systems. These solutions are feature-rich, reliable and conform to the international standards. Having global foot-prints in Asia, Europe, North America, South America and Africa through an extensive network of more than 500 channel partners, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of more than 350,000 customers representing the entire spectrum of industries. Matrix has won many international awards for its innovative products.



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Due to continuous technology upgradations, product specifications are subject to change without notice.