

ALIEN

Power & Go DEMO Case

Model
DEM001/MEGA204N



Version 003

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1. DEMO001 MEGA204N OVERVIEW

1.1 Product Overview

This demonstration unit can be used to show how the ALIEN MEGA DVR operates on a wifi network using Android or iPhone access. It also demonstrates features of the MEGA DVR including two TVI cameras installed in the unit, plus attachments that can be connected such as an IP camera, two additional analogue or TVI cameras and other equipment. As it has connections for RS485 and RS232 it can be used to demonstrate PTZ telemetry and the Voice Off unit.

1.2 Product Inventory

This DEMO DVR comprises of a MEGA204N, a Netgear Modem Router DGN1000, 2 x TVI covert cameras SEE915 and a 12vDC 5A Power Supply Model POW951. The DEMO unit is supplied with a power cable, one network LAN cable, one HDMI cable, an RS485 cable and an RS232 cable. An unregistered copy of ALIEN VISION is included for local WIFI connection only.

NOTE: DO NOT CONNECT THIS DEVICE TO YOUR OFFICE NETWORK, IT IS INTENDED FOR STANDALONE USE.

1.3 Setup Procedure

1. Connect an HDMI monitor or TV to the Demo unit using cable supplied.
2. Power up the HDMI monitor or TV.
3. Connect the power kettle lead to mains. The socket is on the left hand side of the unit.



HDMI	RS232	CH 3	CH 4	RS485
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4. Switch on ALIEN MEGA DVR using the rocker switch on the back of the DVR.
5. The DVR will bootup, display a flash screen and then display pictures from the two TVI covert cameras. The DVR is left on factory default with the login prompt disabled. Therefore there is no requirement to enter a User or Password. The DVR resolution is set to 1280 x 720 60 Hz which is HD at 720P.
6. Additional connectors are available for RS232 and RS485. Cables are supplied to use these. In addition there are two BNC connections for an additional two analogue/TVI cameras. The network connection on the other side of the box next to the mains power connection can be used to connect an IP camera.

2. MOBILE PHONE ACCESS

2.1 Router Information

The DEMO unit has a router installed and to enter

IP Address =	192.168.1.1
User =	admin
Password =	password

However this should not be necessary.

The SSID is set to ALIEN-TVI-DEMO. The key is set to aliendemo.

SSID	ALIEN-TVI-DEMO
KEY	aliendemo

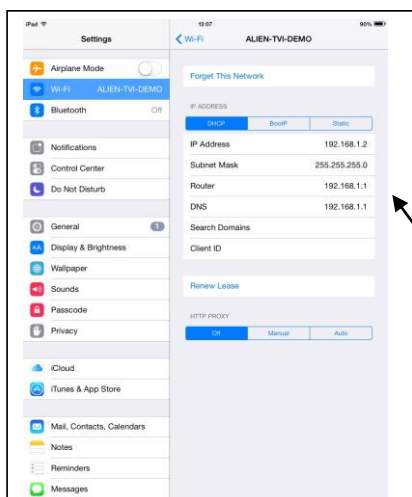
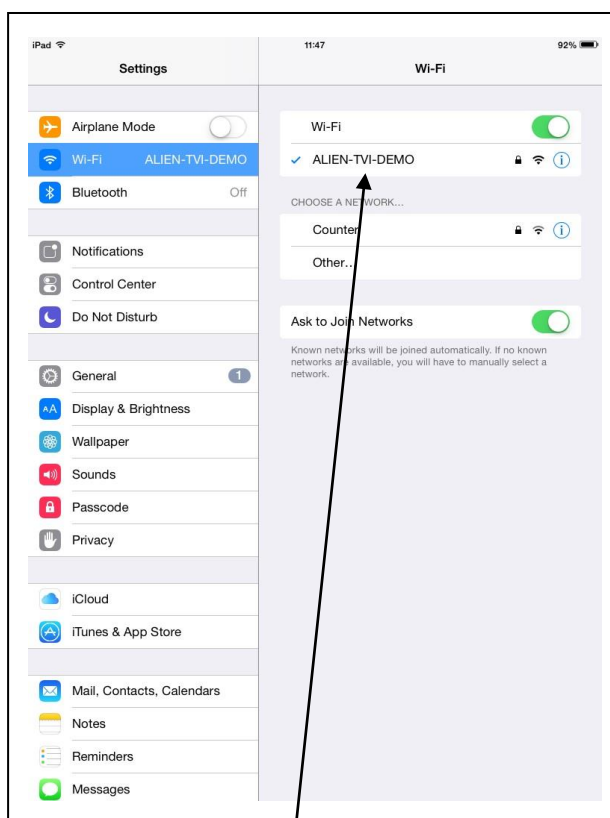
2.2 Connecting iPad/iPhone for a local WIFI connection only



To connect go to Settings

Ensure that DVR is running then select WI-FI. Now select the SSID called **ALIEN-TVI-DEMO**.

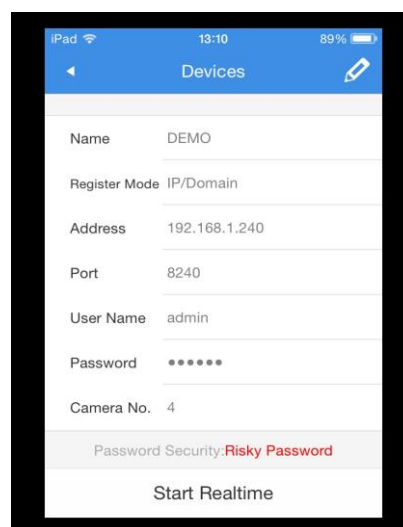
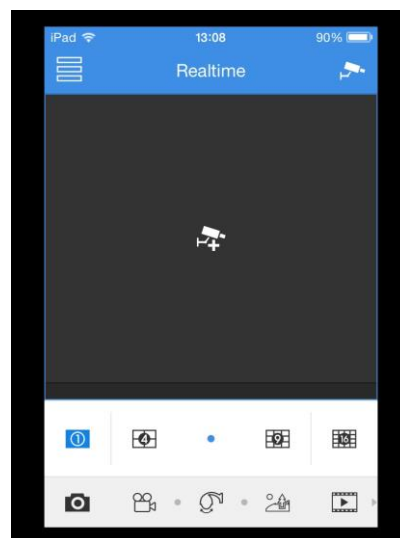
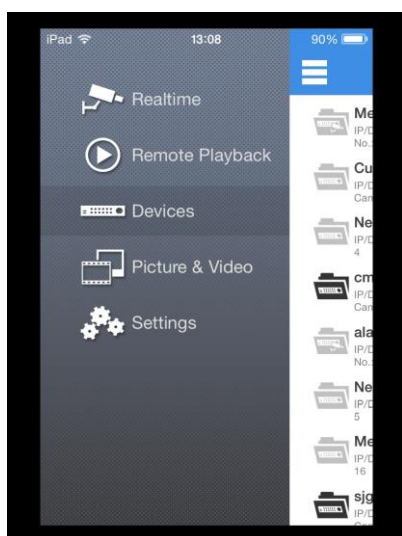
If the Key is required then enter **alien**.



If you click on the ALIEN-TVI-DEMO you will see the IP settings.

2.3 Mobile iPhone/iPadApp

You first need to download the mobile phone app for the iPhone/iPad from the App Store. The app is called ALIEN DVR. Once the app is loaded you will need to setup a record with the app. Click on Realtime/Devices and add device.

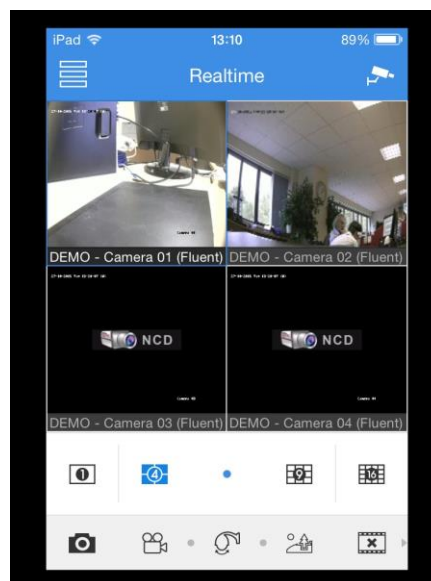


Enter a name for the record e.g DEMO, IP address and Server Port number which will be that set in the ALIEN DVR network settings and default User and Password. The parameters to use are as follows:

- Name: **DEMO**
- IP Address: **192.168.1.240**
- Server Port: **8240**
- User: **admin** Password **555555**

Click on Realtime and select Device.

Drag channels onto quad screen.



2.4 Mobile Android App

For ANDROID phones you need to go to www.aliendvr.com/aliendvr_mobile.html for Phone or Tablet. You can use the barcode scanner to download direct to phone if this option is available. Although Android phones have various formats the procedure is similar to iPhone above.

3. ALIEN VISION CLIENT/MANUALS

A copy of the ALIEN VISION client software is available on the software CD supplied (SOFT950). This version requires no software key but will expire after 30 days. Also a copy of the MEGA DVR manual is also available on the software disk.

4. DEMONSTRATING THE ALIEN MEGA FACILITIES

The Alien Mega DVR hosts multiple facilities and the following guide will allow you to quickly know where in the menu, the various options are, and how to select them. Search for the required function under the function column and access the relevant menus. The action column gives more details about options to select.

4.1 ALIEN MEGA Menu Help Guide

FUNCTION	MENU	ACTION
SERIAL NO./MODEL/FIRMWARE	TOOLS SYSTEM INFO	SERIAL NO./MODEL/FIRMWARE
SWITCH OFF PASSWORD	SETUP GENERAL	UNTICK ENABLE PASSWORD
SWITCH OFF SETUP WIZARD	SETUP GENERAL	UNTICK SMART SETUP
DEFAULT	TOOLS DEFAULT	CLICK OK
DATE/TIME	SETUP GENERAL	CHECK DATE FORMAT THEN SET DATE AND TIME
<p>PLAYBACK (Note options to select NORMAL, EVENT,TAG, INSTANT DETECTIVE & EXTERNAL FILE)</p> <p>FROM MENU (Note options to select NORMAL, EVENT,TAG, INSTANT DETECTIVE & EXTERNAL FILE)</p> <p>FROM SYSTEM LOG</p>	<p>PLAYBACK</p> <p>NORMAL</p> <p>TOOLS LOG INFORMATION</p>	<p>SELECT CAMERA NO: SELECT DATE CLICK PLAY BUTTON ADVANCE DRAGGING TIME BAR CLICK STOP BUTTON RIGHT CLICK TO EXIT</p> <p>SELECT CAMERA/S SELECT DATE CLICK PLAY BUTTON RIGHT CLICK TO EXIT</p> <p>SELECT LOG – CLICK PLAY ICON RIGHT CLICK TO EXIT</p>
BACKUP (also applies to EVENT)	BACKUP NORMAL (QUICK EXPORT CAN BE USED IF ALL FILES IN A TIME PERIOD REQD)	<p>SELECT CAMERA NO: SET DATE/TIME REQD CLICK SEARCH SELECT FILES – NEXT SELECT EXPORT - OPEN NEW FOLDER IF REQD-CLICK EXPORT. WHEN COMPLETE THE PLAYER WILL BE COPIED TO MEDIA. NOTE THAT YOU CAN PLAYBACK RECORDED DATA BY CLICKING PLAY.</p>
<p>MOTION DETECTION (TRIGGER) *(HANDLING OPTIONS ARE: FULL SCREEN MONITORING, AUDIBLE WARNING, NOTIFY SURVEILLANCE CENTRE, SEND EMAIL, UPLOAD PICTURES TO FTP, TRIGGER ALARM OUTPUT)</p> <p>MOTION DETECTION (RECORDING)</p>	<p>MOTION</p> <p>SCHEDULE</p>	<p>SELECT CAMERA NO: TICK ENABLE MOTION DETECTION – CLICK SETTINGS – TICK CHANNEL/S TO TRIGGER - SET 00:00 ~ 24:00 IN ARMING SCHEDULE –COPY TO ALL – OK - *SELECT LINKAGE ACTION – OK – APPLY BACK</p> <p>SELECT CAMERA NO: TICK ENABLE SCHEDULE CLICK EDIT – UNTICK ALL DAY – SET START/END TIME/S – (Note times must not overlap in the 24hr period) TYPE MOTION – APPLY – OK – CLICK ANALOGUE TO SELECT ALL OTHER CAMERAS- OK – APPLY - BACK</p>

<p>SEQUENCING *Only applies to DVRs with multi output monitors</p> <p>After setup can switch sequencing on and off by right clicking mouse and selecting Start Auto-switch or Stop Auto-switch</p>	<p>SETUP</p>	<p>LIVE VIEW AT TOP OF MENU</p>	<p>SELECT MONITOR IN VIDEO OUTPUT INTERFACE * SELECT LIVE VIEW MODE 1x1, 2x2 etc - SELECT DWELL TIME- SELECT SECONDS – APPLY - BACK</p>
<p>RECORDING SETUP CONTINUOUS RECORDING</p>	<p>SCHEDULE</p>	<p>RECORD</p>	<p>SELECT CAMERA NO: TICK ENABLE SCHEDULE CLICK EDIT TICK ALL DAY TYPE CONTINUOUS CLICK COPY – SELECT ALL – OK - BACK (CHECK ALL BLUE)</p>
<p>AUDIO Note: Open Voice must be activated on Alien Vision</p> <p>AUDIBLE WARNING</p>	<p>SETUP VIDEO</p>	<p>LIVE VIEW ENCODING STREAM TYPE RECORD AUDIO</p> <p>EXCEPTIONS</p>	<p>TICK ENABLE AUDIO OUTPUT VIDEO & AUDIO TICK RECORD AUDIO</p> <p>TICK AUDIBLE WARNING</p>
<p>NETWORK SETTINGS (NOTE: 3 ports need opening on router: Server Port 8240, HTTP Port 80 and RTSP Service Port 1240)</p> <p>CHANGE PORTS IN DVR (Defaults = SERVER PORT 8240, HTTP 80 & RTSP 1240)</p>	<p>SETUP TOOLS SETUP</p>	<p>NETWORK NETWORK NETWORK</p> <p>MORESETTINGS</p>	<p>TICK DHCP FOR AUTO IP SETTINGS COPY IP SETTINGS UNTICK DHCP SET IP, SUBNET MASK, GATEWAY, PREFERRED DNS SERVER, ALT SERVER</p> <p>CHANGE PORT NUMBERS</p>
<p>PTZ Settings</p> <p>CONNECT RS485</p> <p>SET PTZ PRESETS</p> <p>CALL PRESETS</p> <p>PATROL OR TOUR</p> <p>PATTERN</p>	<p>VIDEO</p> <p>T+ T-</p> <p>VIDEO</p> <p>LEFT CLICK CAMERA PICTURE</p> <p>LEFT CLICK CAMERA PICTURE</p> <p>USE PTZ PRODUCT MANUAL</p>	<p>PTZ PTZ SETTINGS</p> <p>BACK OF MACHINE</p> <p>PTZ</p> <p>SELECT PTZ</p> <p>SELECT PTZ</p> <p>USE PTZ PRODUCT MANUAL</p>	<p>SELECT CAMERA NO: SET BAUDRATE, PTZ PROTOCOL, ADDRESS.</p> <p>CONNECT A LINE TO T+ & B LINE TO T-</p> <p>SELECT CAMERA NUMBER - MOVE PTZ & ENTER PRESET NO. & CLICK ENTER THEN SET.</p> <p>SELECT CAMERA NO CLICK ARROW ON RIGHT OF ONE-TOUCH TWICE – ENTER PRESET NUMBER & CLICK CALL PRESET</p> <p>IF PTZ600/ PTZ640/PTZ290 CALL PRESET 65 IF PTZ500 CALL PRESET 51 IF PTZ635 CALL PRESET 35</p> <p>USE PTZ PRODUCT MANUAL</p>

PTZ PROTOCOLS:

1602-PROTOCOL 3609hd A-01 AB-D AB-P ACES ADV ALSON ANTEN **AlienTVI(Coaxitron)** BBV-RS422 BEWATOR-PELCO-D DRAGON DSCP HIKVISION HY HONEYWELL Infinova Infinova dcp001a IntegrativeP KALATEL KC3360S KTD-348 Kony LC-D2104 LG MULTIX LILIN MAOWANG NAIJIE NITRO PANASONIC_CS850 **PELCO-D** PELCO-P PELCO-RS422TY PHILIPS PHILPS-3 PIH-1016 PLD RM110 RedApple SAE SHINE1 SONY-EVI-100/P SONY-EVI-30/31 SONY-EVI-D70 SPD-2200 SUNELL Samsung Siemens TC-PELCO-D TC-PELCO-P TCL-PELCO-D TCL-PELCO-P TECHWIN TIANDY-PELCO-D TIANDY-PELCO-P TIANMIN-PELCO-D TIANMIN-PELCO-P TL-HHX2000 TL-PELCO-P TL-V1200 Tiandy VC-2000PTC-C VCL VICON VIDOB-01 VIDO B-02 YAAN-1 YAAN-2 YF-06 YOULI

<p>TOOLS SYSTEM INFORMATION</p> <p>LOG INFORMATION</p> <p>IMPORT/ EXPORT CONFIG FILE</p> <p>FIRMWARE UPGRADE</p> <p>DEFAULT DVR SETTINGS</p> <p>NETWORK DETECT</p> <p>HARD DRIVE DETECT</p>	<p>SYSTEM INFO</p> <p>LOG INFORMATION</p> <p>IMPORT/EXPORT</p> <p>UPGRADE</p> <p>DEFAULT</p> <p>TRAFFIC</p> <p>NETWORK DETECTION</p> <p>SMART SETTINGS</p>	<p>DEVICE INFO</p> <p>CAMERA RECORD ALARM NETWORK HDD</p> <p>LOG SEARCH</p> <p>IMPORT/EXPORT CONFIG FILE</p> <p>LOCAL UPGRADE</p> <p>OK</p> <p>SHORT TEST EXPANDED TEST CONVEYANCE TEST</p>	<p>MODEL/SERIAL NO. - FIRMWARE VERSION CAMERA INFO RECORD INFO ALARM INFO NETWORK SETTINGS HDD INFO</p> <p>START DATE/TIME- END DATE/TIME - EXAMPLE MAJOR TYPE : OPERATION - UNTICK MINOR TYPE - SELECT REMOTE OPERATION: ALARM ARMING SEARCH – CLICK PLAY</p> <p>SELECT DEVICE USB OR WRITER – REFRESH - EXPORT TO CREATE CFG OR IMPORT TO LOAD CFG</p> <p>SELECT DEVICE HIGHLIGHT FILE CLICK ON UPGRADE</p> <p>DVR SETTINGS DEFAULTED</p> <p>VIEW GRAPHIC DISPLAY</p> <p>CLICK PACKET LOSS TEST NETWORK PACKET EXPORT</p> <p>TESTS ON HARD DRIVE</p>
<p>CHANGE ID NUMBER IN DVR</p> <p>MONITOR SETUP FOR MENU (NOTE: This option is not available on the MEGA204/208/216)</p>	<p>SETUP GENERAL</p> <p>SETUP LIVE VIEW (AT TOP)</p>	<p>MORE SETTINGS</p> <p>GENERAL</p>	<p>CHANGE DEVICE NUMBER - APPLY - BACK</p> <p>SELECT VIDEO OUTPUT INTERFACE - SELECT FROM VGA, MAIN CVBS OR HDMI.</p> <p>PRE-RECORD & POST-RECORD SETTINGS</p>
<p>PRE-RECORD, POST RECORD & EXPIRED TIME (day) SETTINGS</p>	<p>VIDEO ENCODING</p>	<p>RECORD</p>	<p>ENTER NO. OF DAYS FOR RECORDING OR ZERO FOR RECORDING TO END OF HARD DRIVE</p>
<p>COAXITRON SETUP (VIEW MENU VIA DVR USING TVI CAMERAS)</p>	<p>VIDEO</p>	<p>PTZ - SELECT CAMERA NO.- PTZ SETTINGS</p>	<p>ENSURE PROTOCOL IS SET TO AlienTVI(Coaxitron)</p> <p>CLICK IRIS + BUTTON TO DISPLAY MENU. USE ARROWS TO MOVE TO MENU ITEM AND CLICK IRIS + TO ENTER. USE ARROW KEYS TO CHANGE VALUES. CLICK IRIS + TO SAVE. MOVE TO EXIT AND CLICK IRIS + TO EXIT MENU.</p>

<p>USERNAME OR PASSWORD CREATION/CHANGES</p> <p>(NOTE: <u>ADMIN USER CANNOT BE CHANGED. ADMIN PASSWORD CAN ONLY BE CHANGED USING CHANGE PASSWORD. ADMIN ALWAYS HAS FULL RIGHTS</u>)</p>	SETUP	USER- USER MANAGEMENT	ADD A USER NAME & PSWRD - SELECT GUEST OR OPERATOR - APPLY - OK
<p>OPERATOR OR GUEST PERMISSIONS</p>	SETUP	USER - USER MANAGEMENT	CLICK PERMI IF DISPLAYING A TICK - SET PERMISSIONS FOR LOCAL CONFIGURATION, REMOTE CONFIG & CAMERA CONFIG - APPLY - OK
<p>EDIT EXISTING OPERATOR OR GUEST PASSWORD</p>	SETUP	USER - USER MANAGEMENT	CLICK EDIT - CAN CHANGE USERNAME OR PASSWORD & THEN CONFIRM PASSWORD - APPLY - OK
<p>CHANGE ADMIN PASSWORD</p>	SETUP	USER -CHNGE PSWRD	ENTER OLD ADMIN PASSWORD, NEW ADMIN PASSWORD AND CONFIRM NEW PASSWORD AGAIN - APPLY - BACK
<p>SET VGA RESOLUTION</p>	SETUP	GENERAL	CLICK DOWN ARROW IN VGA RESOLUTION
<p>SET VIDEO MODE - PAL / NTSC</p>	SETUP	GENERAL	CLICK DOWN ARROW IN CVBS OUTPUT STNDRD APPLY
<p>HARD DRIVE INFO - DRIVES</p>	DRIVES GENERAL	HDD INFO	CLICK ADD TO ADD HDD CLICK FORMAT
<p>CHANGE MODE QUOTA/GROUP</p>	DRIVES ADVANCED	STORAGE MODE	SELECT QUOTA OR GROUP - APPLY - BACK
<p>SETTING GROUP NUMBER</p>	DRIVES ADVANCED	STORAGE MODE	ALLOCATE CAMERAS TO A HARD DRIVE GROUP CLICK OK
<p>INITIALISE HARD DRIVE TO ERASE RECORDINGS</p>	DRIVES GENERAL	HDD INFO	TICK DRIVE NUMBER - CLICK FORMAT OR INIT
<p>COVERT CAMERA</p>	SETUP	LIVE VIEW VIEW	SELECT VIDEO OUTPUT INTERFACE - SELECT DISPLAY FORMAT - CLICK ON CAMERA NO: THEN CLICK ON ARROWS AND SELECT X. THEN CLICK ON APPLY - BACK
<p>ADJUSTING DISPLAY SETTINGS</p> <p>ADJUST BRIGHTNESS, CONTRAST, SATURATION & HUE.</p> <p>CHANNEL ZERO ENCODING ONCE OPTION IS SETUP YOU CAN VIEW ALL CHANNELS IN ONE CHANNEL PICTURE DISPLAY USING THE CLIENT SOFTWARE OR WEB BROWSER.</p>	VIDEO SETUP	IMAGE MODE LIVE VIEW CHANNEL ZERO ENCODING TAB	SELECT MODE TO CUSTOMISE - ADJUST BRIGHTNESS, CONTRAST, SATURATION & HUE. CLICK CHANNEL ZERO ENCODING – SET FRAME RATE -MAX BITRATE

5. PRODUCT KEY FEATURES

General

- Connects to HD-TVI and analogue cameras;
- Connects to IP cameras;
- Each channel supports dual-stream. Main stream supports up to 1080P resolution and sub-stream supports up to WD1 resolution;
- Independent configuration for each channel, including resolution, frame rate, bit rate, image quality, etc.
- Encoding for both video stream and video & audio stream; audio and video synchronisation during composite stream encoding;
- Watermark technology;

Local Monitoring

- HDMI(1)/VGA output at up to 1920*1080 resolution;
- 1/4 screen live view is supported, and the display sequence of screens is adjustable;
- Live view screen can be switched in group and manual mode, with automatic sequencing for live view mode also provided, allowing adjustment of interval time;
- Quick setting menu is provided for live view;
- The selected live view channel can be covered;
- Motion detection, video-tampering detection, video exception alarm, video loss alarm functions;
- Privacy mask;
- Several PTZ protocols supported; PTZ presets, patrol and pattern;
- Zooming in/out by clicking the mouse and PTZ movement dragging mouse;

HDD Management

- For MEGA204 only 1 SATA hard disk can be connected;
(The hard drive disk installed is a 2TB but has a maximum of 6TB storage capacity.)
- 8 network disks (8 x NAS disks, or 7x NAS disks +1 IP SAN disk) can be connected (Not available on DEMO unit)
- Support eSATA disks for recording or backup; (Not available on DEMO unit)
- Support S.M.A.R.T. and bad sector detection;
- Support HDD sleep function;
- HDD property: redundancy, read-only, read/write (R/W);
- HDD group management;
- HDD quota management; different capacity can be assigned to different channels;

Recording and Playback

- Holiday recording schedule configuration;
- Cycle and non-cycle recording modes;
- Normal and event video encoding parameters;
- Multiple recording types: manual, continuous, alarm, motion, motion or alarm, motion & alarm and VCA;

- 8 recording time periods with separated recording types;
- Pre-record and post-record for motion detection triggered recording, and pre-record time for schedule and manual recording;
- Searching record files by events (alarm input/motion detection);
- Customisation of tags, searching and playing back by tags;
- Locking and unlocking of record files;
- Local redundant recording;
- Searching and playing back record files by camera number, recording type, start time, end time, etc.;
- Instant Detective playback to go through less effective information;
- Zooming in for any area when playback;
- Reverse playback of multi-channel;
- Supports pause, fast forward, slow forward, skip forward, and skip backward when playback, locating by dragging the mouse on the progress bar;
- 4 channel synchronous playback at 1080P.

Backup

- Export data by a USB device;
- Export video clips when playback;
- Management and maintenance of backup devices.

Alarm and Exception

- Configurable arming time of alarm input/output;
- Alarm for video loss, motion detection, video tampering, abnormal signal, video input/recording resolution mismatch, illegal login, network disconnected, IP conflict, record exception, HDD error, and HDD full, etc.;
- Alarm triggers full screen monitoring, audio alarm, notifying surveillance center, sending email and alarm output;
- VCA (Video Content Analysis) detection alarm (line crossing detection and intrusion detection) is supported;
- Automatic restore when system is abnormal.

Other Local Functions

- Manual and automatic video quality diagnostics;
- Users can operate by mouse and remote control;
- Three-level user management; admin user can create many operating accounts and define their operating permissions which include the permissions to access any channel;
- Completeness of operation, alarm, exceptions and log writing and searching;
- Manually triggering and clearing alarms;
- Importing and exporting of configuration files;
- Getting camera type information automatically.

Network Functions

- 1 network adaptor for 10M/100M network interface for MEGA204;
- IPv6 is supported;
- TCP/IP protocol, PPPoE, DHCP, DNS, DDNS, NTP, SMTP, UPnP™ and HTTPS are supported;

- TCP, UDP and RTP for unicast;
- Auto/Manual port mapping by UPnP™
- Remote search, playback, download, locking and unlocking the record files, and downloading files broken transfer resume;
- Remote parameters setup; remote import/export of device parameters;
- Remote viewing of the device status, system logs and alarm status;
- Remote keyboard operation;
- Remote locking and unlocking of control panel and mouse;
- Remote HDD formatting and program upgrading;
- Remote system restart and shutdown;
- Support upgrading via remote FTP server;
- RS-232, RS-485 transparent channel transmission;
- Alarm and exception information can be sent to the remote host;
- Remotely start/stop recording;
- Remotely start/stop alarm output;
- Remote PTZ control;
- Remote JPEG capture;
- Two-way audio and voice broadcasting;
- Embedded WEB server.



WEE/CG0783SS

This symbol on the products and/or accompanying documents means that used electronic equipment must not be mixed with general household waste. For treatment, recovery and recycling please return this unit to your trade supplier or local designated collection point as defined by your local council.

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