2017 Catalog
Vehicle Comprehensive Solution
IP Range & Solutions
VMS/ ACS Integration

- IP Cameras
- Access Control
- Detectors
- Video Analytics
- Sensors
- Audio
- License Plate

- Recording/ Storage NVR/ Servers...
- Cloud Services
- Access & setup Platforms
- Notifications
- Authority Control
- Centralized Monitoring & Management

- Tracking
- Connectivity
- Malfunction
- Fuel
- Diagnosis
- Face Detection
Vehicle security is one of the most critical undertakings with various applications including public transportation, school buses, law enforcement, private fleet, logistics management, railway, metro, taxi and many more. REVO comprehensive mobile systems can help in regular fleet operations and centralization of all other functions as well as assimilating them with video.

REVO’s comprehensive mobile solution provides security and reliability with a new approach. Through surveillance of everything on the vehicle, from recognizing the passengers’ and drivers’ behavior to managing the video evidence and centralization. Besides the 24/7 diagnosis for both vehicle and system, another efficient monitoring system for the driving behavior is provided; such as curving, gliding, revving and idling. Reliability of all of this functionality is guaranteed with stable recording even after sudden power off.

**Modular Design**
- Less cable connection
- Industrial-grade connector
- Works reliably and stably

**File System 4.0**
- Multi-level backup technology
- Ensure the integrity of data
- Improves reading and writing efficiency

**Fault Report Upload**
- Batch upgrade at one time
- Batch data configuration and check report later
- Overall device status checking
- Improving work efficiency

**Power-off Protection**
- Keeps working about 10 sec after power off.
- Wide voltage input 8-36V

**Vibration Performance**
- Adopts damping rubber material
- Pass standards MIL-STD-810J,ISO16750-3

**Temperature Protection**
- Working temperature -40°C to 70°C
- Industrial components
- Smart heating/cooling design technology

**Intelligence**
- Lane Departure Warning
  - Monitor driver behaviour & sharp curving
- Bus Lane Enforcement
  - Get the snapshot of vehicles occupying bus lane.
- Facial Detection
  - Face detection in live & rec. video for easier recognition
- Fatigue Driving
  - Detecting car gliding, revving & idling

7” Touch Display & Control panel used for vehicle system. It also integrates with features of SMS and voice broadcast. Moreover, it can realize the functions of speaking inside/outside of the vehicle, IP connection, and making calls.

**Alarm**
**GPS**
**UPS**
**Interphone**
**Fire Proof Box**
**Control Panel**
**Operation & Maintenance Server**
**Operation & Maintenance Client**

**Ceiba II Server**
**Ceiba II Client**

**GDS Server**
**GDS Client**

**Easy Check**
**Switch**
**Mobile Client**
**Wi-Fi**
**Analog/ AHD Cam**
**Obd**
Mobile Recorders

**24CH Hybrid (IP & AHD) NVR RI24NVR-1M**
- Hybrid NVR with 16CH Analog/ AHD & 8CH IP
- 2x SATA HDDs Internally, Mirror Rec.

**12CH Hybrid (IP & AHD) NVR RI12NVR-1M**
- Hybrid NVR with 8/4CH Analog/ AHD & 4/8CH IP
- SATA HDD Internally, Mirror Rec.

**6CH Hybrid (IP & AHD) NVR RI6NVR-1M/ RI6NVR-2M**
- Hybrid NVR with 4/2CH Analog/ AHD & 2/4CH IP
- SATA HDD Internally, Mirror Rec.

**5CH Hybrid (IP & AHD) NVR RI4NVR-3M**
- Hybrid NVR with 4CH Analog/ AHD & 1CH IP
- SATA HDD Internally

Special Sectors

**Up to 32CH NVR, NVRs with built-in Touch Panel**
- Train & Trams Series

**Bus Series**
- Up to 12CH Hybrid (IP & AHD) NVR

**Taxi Series**
- 2CH IP Car Embedded NVR

Ceiba II CMS

**Live View**
- Real-time video
- Real-time location
- Real-time metadata

**Evidence**
- Auto evidence export
- Evidence search
- Easy to manage evidence

**Playback**
- Video & location
- Metadata
- Video clip

**Auto Download**
- Auto download by different categories
- AP management balance
- Auto adaptive network

- Real-time live view, Alarms, Map tracking & Backup.
- Single/Multi Vehicle Search & Playback
- On-Demand, Upon Event or Automatic download from vehicle to server
- HDD & SD card playback
- Event search by vehicle, driver, date, status, rank and keyword
- Google Maps Support
- Setup of Fleet, License & Serial numbers for easy recognition
- Event Notification: Push Notification, Email, Audio & Pop up. Event Actions: Car Lock on Map, open all vehicle cams
- Two Way Audio Communication & Broadcast
- Multiple Logs Export: GPS Location & Alarm
- Fence & Privacy Zone Function
- PTZ Control
- Speed Curve Graph
Comprehensive Mobile Solutions

City Bus Surveillance

Besides regular video surveillance, REVO vehicle solution monitors irregular driving, over-speeding, rapid acceleration/ deceleration, and sharp turns which seriously affect the safety of passengers. Unusual events which usually cause accidents, emergencies which need complete evidence & vehicle breakdown. Also helps and solves issues for daily operations such as station announcements and bus lane entrance alerts.

Taxi Surveillance

REVO Taxi Solution covers personal & driving safety for both driver and passengers. The solution also manages taxi price metering, dispatching, and passengers’ feedback and complaints. It can also be integrated with advertising resources that can be added to the system. GPS info, taxi availability status, multiple sensors and fingerprint authorization all can be monitored through one server along with video covering the interior of the cab and the road in front.

Train & Tram Surveillance Solution

Railway transportation is one of the most important in the world. Driver behavior affects the safety of the train operation and passengers. REVO system offers multiple features such as real-time view of the front and rear road situation of the train, monitors the driver behavior, mechanical equipment in the driver’s cabin as well as integration with any kind of detectors such as smoke. It enables all subsidiaries of the railway company to share this vital data.
Law Enforcement Surveillance

Police cars and motor bikes deal with critical situations most of the time. REVO system provides an advanced evidence center mainly designed for police management; providing evidence for events and user level management. All evidence can be uploaded to the server for comprehensive management, enabling easy exportation of event reports based on users’ administration levels. The center can also trigger alarms on site.

School Bus Surveillance

Students’ safety is a major concern and that is why REVO system has given it special attention. The System allows parents to get updates on their children via message or email; as students swipe an ID card when they get on/off the bus. Another function is an alarm trigger after the bus ignition is turned off alerting the driver if any students are left on the bus. There is also an integrated passenger counting device to check whether the number of students is short or complete. Of course video surveillance allows the school and parents to monitor what is happening on the bus.

Truck Surveillance

As there are different types of trucks and related functions; REVO system developed a comprehensive system covering all aspects of dispatching time, dispatching load, safety, driving, fuel consumption, vehicle diagnosis & location services.
Fighting Series Features

Super Compression

Introducing new effective video compression technology: U-Code is an enhanced encoding technology that can help reduce your bandwidth consumption by up to roughly 80–95% with no loss in quality! Other features include: Advanced Storage Saving, unlike conventional video compression technologies, which try to reduce storage costs by sacrificing resolution and frame rate indiscriminately. U-Code uses “IRP” (Intelligent Region Perception) to detect motion in each frame so that scenes containing relevant information (events) could be preserved while the other relatively static information (such as lawns, white walls, etc.) could be squeezed to save storage. Here’s an example of the amazing capabilities of U-Code at work: Let’s take a 4MP IP camera as an example. Normally the bit rate would be 6Mbps, and it may roughly store 63G worth of data per day to the NVR. With U-Code mode activated, the bit rate can be reduced to 0.3–1.5Mbps and it will only require 3G of storage space per day.

Built-in Video Analytics

New Built-in Video Analytics are introduced in cameras and NVRs, while you can detect special functions, trigger an action accordingly. Also, you can search the records for these functions. This will maximize efficiency of events detection and will allow customization for different applications.

Face Detection
Detects people faces and trigger alarms. Reduce false alarms compared to traditional motion detection.
Up to 16 faces can be detected at the same time
Recommended: Entry or Exit.

Intrusion Detection
Detects objects moving into an area and staying beyond a pre-configured time.
Configurable up to 4 areas.
Percentage is configurable to filter object size.
Recommended: Forbidden areas like campuses & warehouses.

Crossing Line Detection
Detects moving objects crossing lines in pre-configurable directions
Up to 4 lines configurable & 3 directions optional, forward/reverse/both.
Recommended: Perimeter, campus

People Counting
Counts the number of people in entry and exit. For groups, objects wider than 2 times the configured shoulder width, will be detected as 2 persons
Recommended: Retail

Automatic Network Recovery

When the connection between RU/US IP camera and NVR is interrupted, IP camera can store video in SD card. Then after reconnection, IP Camera will automatically send previous video back to NVR for seamless playback.
Smart Integrated Surveillance Platform (1,000 Device/2,000 Ch.)
Guard Server

- Embedded system design to ensure stable operation
- Support for redundant power, dual-OS design
- Hot-swappable HDDs supporting RAID1 and RAID5
- 512Mbps incoming bandwidth, 1000 device connections, up to 2,000 channels of HD network videos, 384Mbps Output
- Adaptive H.265 and H.264,
- 4K resolution for preview, storage & playback
- Standard ONVIF
- Real-time alarm, alarm plan & acknowledgment
- Up to 1,000 users can be registered with up to 100 simultaneously
- Multiple client options: SW Client, Browser & Mobile
- Simultaneous output from 1×VGA & 2×HDMI (4K resolution)
- 16× SATA interfaces with two optional miniSAS interfaces; expandable to 48 HDDS with 384TB storage
- 4×1000M Ethernet interfaces, 2×1000M SFP interfaces
- Unified management of NVR, IP Camera, alarm host, access control host devices, support device configuration import/export
- Central NVR Backup, NVR Playback, IP Cameras Rec. & Playback with the option to cascade the storage (under development)
- Up to 9x9 video wall
- Two-way audio communication & E-map

NVR Failover: N+1 hot spare

N+1 hot spare is mainly used in the sites which have high security requirements for video recording, such as banks & prisons.
If the working device is offline, the spare device would automatically take over the work. When the working device is back on-line, the spare device would stop the service and send the recording back to the working device.
Configuration of failover only needs to add the spare device to the working; then all working devices connected to spare device will be displayed in the spare device’s list.

Open Compatibility

RU/US Series are Open for multiple VMS; Integrated & tested with the following leading VMS to reach the maximum interoperability
Dome Cameras

**4K IR Zoom Vandal Dome**
RUD807
- 4K ultra HD
- Vandal Proof
- WDR
- H.265, 8MP @ 30ips
- 2.8-12mm Motorized Lens
- IR LEDs, 30m
- WDR, Corridor, SD Card, Alarm & Audio
- Built-in Video Analytics
- IP66 & PoE

**4MP IR Zoom/ Varifocal Vandal Dome**
RUD407/ RUD402
- 4MP Inversion
- Vandal Proof
- WDR
- H.265, 4MP @ 20ips
- 2.8-12mm Motorized/ Varifocal Lens
- IR LEDs, 30m
- WDR, Corridor, SD Card, Alarm & Audio
- Built-in Video Analytics
- IP66 & PoE

**2MP IR Zoom/ Varifocal Vandal Dome**
RUD207/ RUD2021
- H.265 (RUD207), 2MP @ 30ips
- 2.8-12mm Motorized/ Varifocal Lens
- IR LEDs, 30m
- WDR, Corridor, SD Card, Alarm & Audio
- Built-in Video Analytics (RUD207)
- IP66 & PoE

**4MP IR Vandal Dome**
RUD409
- 4MP Resolution
- Vandal Proof
- WDR
- H.265, 4MP @ 20ips
- 2.8mm Fixed Lens
- IR LEDs, 30m
- WDR, Corridor, Alarm & Audio
- Built-in Video Analytics
- IP66 & PoE

**2MP IR Vandal Dome**
RUD204/ RUD205
- H.265 (RUD204), 2MP @ 30ips
- 2.8mm Fixed Lens
- IR LEDs, 30m
- WDR (RUD204), Corridor
- Built-in Video Analytics (RUD204)
- IP66 & PoE

**4MP/ 2MP IR Dome**
RUD408/ RUD2031
- H.265, 4MP @ 20ips/ 2MP @ 30ips
- 2.8mm Fixed Lens
- IR LEDs, 30m
- WDR (RUD408), Corridor
- Built-in Video Analytics
- IP66 & PoE

*Available with 1.3MP
Bullet Cameras

4K/ 2MP IR Zoom Bullet
RUA809/ RUA209S
- H.265, 8MP/ 2MP @ 30ips
- 2.8-12mm Motorized Lens, Starlight (RUA209S)
- IR LEDs, 100m
- WDR, Corridor, SD Card, Alarm & Audio
- Built-in Video Analytics
- IP67 & PoE

4MP IR Zoom/ Varifocal Bullet
RUA407/ RUA404
- H.265, 4MP @ 20ips
- 2.8-12mm Motorized/ Varifocal Lens
- IR LEDs, 30m
- WDR, Corridor, SD Card, Alarm & Audio
- Built-in Video Analytics
- IP66 & PoE

4MP IR Fixed P/T Bullet
RUA406
- H.265, 4MP @ 20ips
- 4mm Fixed Lens
- IR LEDs, 50m
- Built-in 32GB, Alarm & Audio
- Built-in Video Analytics
- Pan/Tilt Motor, IP66 & PoE

4MP/ 2MP IR Mini Bullet
RUA408/ RUA2022
- H.265, 4MP @ 20ips/ 2MP @ 30ips
- 3.6mm/ 4mm Fixed Lens
- IR LEDs, 30m
- WDR (RUA408), Corridor
- Built-in Video Analytics
- IP66, Mini size & PoE

2MP IR Zoom/ Varifocal Bullet
RUA207/ RUA205
- H.265 (RUA207), 2MP @ 30ips
- 2.8-12mm Motorized/ Varifocal Lens
- IR LEDs, 30m
- WDR (RUA207), Corridor, SD Card, Alarm & Audio
- Built-in Video Analytics (RUA207)
- IP66 & PoE

2MP IR Bullet
RUA202/ RUA132
- 2MP @ 30ips, 1.3MP @ 30ips
- 3.6mm Fixed Lens
- IR LEDs, 30m Range
- Corridor
- IP66 & PoE

Box Camera

12MP Box
RUB1203
- H.265, 12MP @ 20ips, 8MP @ 30ips
- Defog, Corridor
- C/ CS Lens Mount
- SD Card, Alarm & Audio
- Built-in Video Analytics
- SFP, AC24V, DC12V & PoE
- Many options of housings & Lenses

2MP Box
RUB201
- 2MP @ 30ip
- WDR, Corridor
- C/ CS Lens Mount
- SD Card, Alarm & Audio
- AC24V, DC12V & PoE
- Many options of housings & Lenses
**PTZ Cameras**

**12MP 22x IR Outdoor PTZ**
US206
- H.265, 12MP @ 20ips, 8MP @ 30ips
- 22x Zoom
- Synchronized IR LEDs, 250m
- EIS, SD Card, Alarm & Audio
- Built-in Video Analytics & Auto Tracking
- IP66

**3MP 33x IR PTZ**
US301E
- H.265, 3MP @ 30ips
- 33x Zoom
- Synchronized IR LEDs, 150m
- EIS, WDR, SD Card, Alarm & Audio
- Built-in Video Analytics & Auto Tracking
- IP66

**2MP 33x IR Laser PTZ**
US203LS
- H.265, 2MP @ 30ips
- 33x Zoom, Starlight
- IR Laser & LEDs, 500m
- EIS, WDR, SD Card, Alarm & Audio
- Built-in Video Analytics, Auto Tracking
- IP66 & PoE

**2MP 44x Starlight IR PTZ**
US205S
- H.265, 2MP @ 60ips
- 44x Zoom, Starlight
- Synchronized IR LEDs, 250m
- EIS, WDR, SD Card, Alarm & Audio
- Built-in Video Analytics, Auto Tracking
- IP66

**2MP 30x IR PTZ**
US2031/US2041
- H.265, 2MP @ 30ips
- 30x (US2031), 20x (US2041) Zoom
- Synchronized IR LEDs, 100m
- EIS, SD Card, Alarm & Audio
- Built-in Video Analytics
- IP66 & PoE

**2MP 22x Indoor PTZ**
US202
- 2MP @ 30ips
- 22x Zoom
- SD Card, Alarm & Audio
- PoE

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**Revo IP Kit**
Revo IP Kit is an integrated design for the requirements of stores, SOHO or other small to medium sized enterprises including 4/8 Cameras with PoE NVR & whole cabling with very easy connection.

**2MP IR Bullet & Dome**
RUA2022 & RUD2031
- H.265, 2MP @ 30ips
- 4mm & 2.8mm Fixed Lens
- IR LEDs, 30m
- Built-in Video Analytics
- IP66, Mini cameras & PoE
- Available as 4MP & 1.3MP models

**Guard Station software & uMobile phone.**

**4CH PoE NVR**
UN041MPC
- 4CH IP cameras, PoE inputs
- Supports H.265 & H.264
- Up to 4K Recording
- 1x SATA HDD, up to 6TB
- HDMI & VGA Local Display
- Available with 8CH
IP Fighting Series UN NVRs

128 & 64 CH NVR
UN126C & UN646C
- 128 & 64 CH IP Cameras
- Supports H.265 & H.264
- Up to 4K Recording
- 16x SATA HDDs Internally, Mini SAS, RAID
- HDMI (4K), VGA Local Display & Alarm
- Redundant power supply

64 & 32 CH NVR
UN645C & UN325C
- 64 & 32 CH IP Cameras
- Supports H.265 & H.264
- Up to 4K Recording
- 8x SATA HDDs Internally, RAID
- HDMI (4K), VGA Local Display & Alarm

16 CH PoE NVR
UN164PC
- 16 CH IP Cameras, PoE inputs
- Supports H.265 & H.264
- Up to 4K Recording
- 4x SATA HDDs Internally
- HDMI (4K), VGA Local Display & Alarm

32 CH NVR
UN323
- 32 CH IP Cameras
- 8x SATA HDDs Internally
- HDMI & VGA Local Display & Alarm

16 CH NVR
UN162
- 16 CH IP Cameras
- 2x SATA HDDs Internally
- HDMI & VGA Local Display

8 CH PoE NVR
UN081PC
- 8 CH IP Cameras, PoE inputs
- Supports H.265 & H.264
- Up to 4K Recording
- 1x SATA HDD Internally
- HDMI (4K) & VGA Local Display

8 CH NVR
UN081C
- 8 CH IP Cameras
- Supports H.265 & H.264
- Up to 4K Recording
- 1x SATA HDD Internally
- HDMI (4K) & VGA Local Display

Fighting Series VMS: Guard Station

- Unified management for IP Cameras, NVR, recording server, & streaming servers
- Flexible to manage up to 1024 local channels and 1024 cloud channels; add, edit and share cloud devices.
- Live view: up to 64*4 live view and sequence display, corridor mode, two-way audio, audio broadcast
- Record, Playback & PTZ control
- Administration functions alarm triggering for live view, recording
- MAP Integration for full site coverage
- Flexible maintenance such as log export, alarm into export
- Friendly user interface for easy operation
- Supports Failover system
- Guard Stations Supports:
  - REVO Fighting Range IP Cameras: RU, US Series
  - REVO Fighting Range NVRs: UN Series
### IP Elite Series RI Cameras

#### Dome Cameras

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6MP IR Zoom Vandal Dome</strong></td>
<td><strong>RIVD60IR-1P</strong></td>
</tr>
</tbody>
</table>
| 6MP @ 30ips, Optional 5MP | • 6MP @ 30ips, Optional 5MP  
  • 3.6-10mm Motorized Lens  
  • IR LEDs, 25m, Built-in Video Analytics  
  • SD Card, Alarm & Audio  
  • Vandal, IP66 & PoE |
| **5MP IR PTZ Vandal Dome** | **RIVD50MIR-1P**                                                            |
| 5MP @ 15ips            | • 5MP @ 15ips  
  • 3.6-10mm Motorized Lens, Pan & Tilt  
  • IR LEDs, 25m, Built-in Video Analytics  
  • SD Card, Alarm & Audio  
  • Vandal, IP66 & PoE |
| **3MP IR Zoom Vandal Dome** | **RIVD30MIR-1P**                                                            |
| 3MP @ 30ips            | • 3MP @ 30ips  
  • 2.8-12mm Motorized Lens  
  • IR LEDs, 25m, Built-in Video Analytics  
  • WDR, SD Card, Alarm & Audio  
  • Vandal, IP66 & PoE |
| **3MP Wide Angle Mini Dome** | **RIPD30-1P**                                                              |
| 3MP @ 30ips            | • 3MP @ 30ips  
  • 2.6mm Fixed Lens  
  • Built-in Video Analytics  
  • 107° Wide Angle  
  • PoE |
| **3MP IR Zoom Vandal Dome** | **RIVD30MIR-2P**                                                            |
| 3MP @ 30ips            | • 3MP @ 30ips  
  • 2.8-12mm Motorized Lens, Optional Fixed  
  • IR LEDs, 25m, Built-in Video Analytics  
  • SD Card, Alarm & Audio  
  • Vandal, IP66 & PoE |
| **2MP IR Dome** | **RIPD20-1P**                                                              |
| 2MP @ 30ips            | • 2MP @ 30ips  
  • 3-9mm Varifocal Lens  
  • Built-in Video Analytics  
  • WDR, SD Card, Alarm & Audio  
  • PoE |
| **2MP IR Vandal Dome** | **RIVD20IR-8P**                                                             |
| 2MP @ 30ips            | • 2MP @ 30ips  
  • 2.8-12mm Varifocal Lens, Optional Fixed  
  • IR LEDs, 35m, Built-in Video Analytics  
  • SD Card, Alarm & Audio  
  • Vandal, IP66 & PoE |
| **2MP IR Dome** | **RIPD20IR-5P**                                                             |
| 2MP @ 30ips            | • 2MP @ 30ips  
  • 2.8-12mm Varifocal Lens, Optional Fixed  
  • IR LEDs, 30m, Built-in Video Analytics  
  • SD Card, Alarm & Audio  
  • IP66 & PoE |
Bullet Cameras

6MP IR Zoom Bullet
RIPP60M-1P
- 6MP @ 30ips, Optional 5MP
- 3.6-10mm Motorized Zoom Lens
- IR LEDs, 25m, Built-in Video Analytics
- SD Card, Alarm & Audio
- IP66 & PoE

3MP IR Zoom Bullet
RIPP30M-2P
- 3MP @ 30ips
- 2.8-12mm Motorized Zoom Lens
- IR LEDs, 25m, Built-in Video Analytics
- WDR, SD Card, Alarm & Audio
- IP66 & PoE

3MP IR Zoom Bullet
RIPP30M-1P
- 3MP @ 30ips
- 2.8-12mm Motorized Zoom Lens
- IR LEDs, 30m, Built-in Video Analytics
- SD Card, Alarm & Audio
- IP66 & PoE

3MP IR Bullet
RIPP30-3P
- 3MP @ 30ips, Optional 2MP
- 3.7mm Fixed Lens
- IR LEDs, 25m, Built-in Video Analytics
- SD Card, Alarm & Audio
- IP67 & PoE

2MP License Plate
Capture IR Bullet
RIPP20M-6P
- 2MP @ 60ips
- 5.1-51mm Motorized Zoom Lens
- IR LEDs, 25m, Multi-Shutter
- SD Card, Alarm & Audio
- IP66 & PoE

2MP IR Zoom Bullet
RIPP20M-3P
- 2MP @ 60ips
- 2.8-11mm Motorized Zoom Lens
- IR LEDs, 25m, Built-in Video Analytics
- WDR, SD Card, Alarm & Audio
- IP66 & PoE

2MP Box
RIXN20-5P
- 2MP @ 60ips
- Built-in Video Analytics
- WDR, SD Card, Alarm & Audio
- 12VDC, 24VAC & PoE
- Many options of housings & Lenses

2MP Box
RIXN20-7P
- 2MP @ 30ips
- Built-in Video Analytics
- SD Card, Alarm & Audio
- 12VDC & PoE
- Many options of housings & Lenses

2MP 30x Zoom Camera
RIXZ20-1P
- 2MP @ 60ips
- 30x Zoom
- WDR, SD Card, Alarm & Audio
- 12VDC, 24VAC & PoE
- Many options of housings

Box & Zoom Cameras
### PTZ Cameras

<table>
<thead>
<tr>
<th>Camera Model</th>
<th>Features</th>
</tr>
</thead>
</table>
| 2MP 30x PTZ RISD30-5P | - 2MP @ 60ips  
- 30x Zoom, WDR  
- Sync. IR LED, 500m, Built-in Video Analytics  
- SD Card, Alarm & Audio  
- IP66 & PoE |
| 2MP 30x PTZ RISD30-9P | - 2MP @ 60ips  
- 30x Zoom, WDR  
- Sync. IR LED, 400m, Built-in Video Analytics  
- SD Card, Alarm & Audio  
- IP66 & PoE |
| 2MP 30x PTZ RISD30-6P | - 2MP @ 60ips  
- 30x Zoom, WDR  
- Built-in Video Analytics  
- SD Card, Alarm & Audio  
- IP66 & PoE |
| 2MP 30x Outdoor PTZ RISD30-8P | - 2MP @ 60ips  
- 30x Zoom  
- Built-in Video Analytics  
- WDR, SD Card, Alarm & Audio  
- PoE |
| 2MP 20x PTZ RISD20-1P | - 2MP @ 60ips  
- 20x Zoom  
- Built-in Video Analytics  
- WDR, SD Card, Alarm & Audio  
- IP66 & PoE |
| 2MP 20x PTZ RIVDPTZ20-1P | - 2MP @ 60ips  
- 20x Zoom  
- Built-in Video Analytics  
- WDR, SD Card, Alarm & Audio  
- IP66 & PoE |

### Fisheye Camera

<table>
<thead>
<tr>
<th>Camera Model</th>
<th>Features</th>
</tr>
</thead>
</table>
| 5MP Vandal IP Fisheye RIPP50-2P | - 5MP @ 30ips  
- Multi-panoramic views, software/ camera & Mobile App Dewarping  
- Up to 256 points of interest can be monitored & analyzed without any blind spot  
- Viewers can easily control, monitor the image with smart D-PTZ, choosing region of interest  
- Built-in Video Analytics  
- SD Card, Alarm & Audio  
- Vandal, IP66 & PoE |
NVRs

32CH Hybrid (IP & Analog) Real-time NVR
RI32NVR-1H

- Hybrid NVR with up to 32 IP Ch., up to 16 Analog Ch.
- Real-time Recording 2MP @ 960ips, 4K Recording
- 6x SATA HDDs Internally, eSATA & RAID1
- HDMI, VGA Local Display, Local Alarm & Audio
- Elite Range, 3rd Party & Onvif Support

16CH/ 8CH/ 4CH NVR
RI16NVR-1I/ RI8NVR-1I/ RI4NVR-1I

- 16/8/ 4 CH IP Cameras
- 2 SATA HDDs Internally, eSATA
- Elite Range, 3rd Party & Onvif Support

16CH/ 8CH/ 4CH NVR
EN4416P/ EN4208P/ EN4104P

- 16/ 8/ 4 CH IP Cameras, Built-in 8/ 8/ 4 PoE Ports
- 2x SATA HDDs Internally, eSATA
- HDMI, VGA Local Display, Local Alarm & Audio
- Elite Range, 3rd Party & Onvif Support

External Storage

- Up to 4 SATA HDD Bays, Up to 6TB each
- Quick & Easy Installation
- eSATA (SATA II, 3.0Gbps) interface
- Support Multiple RAID Options

- Up to 16 SATA HDD Bays, Up to 6TB each
- Hot Swapable HDDs
- LCD For Status Display
- Quick & Easy Installation
- Support Multiple RAID Options

Wide Range of iSCSI RAID Options

IP Elite Series VMS: iNEX

- Up to Unlimited channels licensed separately per service
- Central management SW for Elite NVRs, DVRs & IP cameras
- Tailored Licensed packages (8, 16, 32, 48, 64, 128, 256 Channels per server) distributed on up to 64 servers
- Federation service controlling Unlimited no. of channels
- CMS up to 1,024 DVRs and/or NVRs with Monitoring, Playback & Setup
- Unlimited no. of users with Up to 64 clients simultaneously with streaming
- Scheduled Backup for IP records and/or DVRs, Failover & Redundancy
- iNEX Interactive Client SW smart GUI with up to 15 tab, MAP Integration
- Video Analytics: Object Removed/ Left, Loitering and Tripzone
- Full Video Wall functionality Controllable remotely with network keyboard
- WIBUKey (USB Dongle) activation needed per server
- Soft License will be available, please ask for changes
- iNEX Supports:
  REVO Elite Range IP Cameras & REVO DVRs
  REVO Elite Range NVRs
  Open Platform Compatible with 3rd party Cameras through Onvif
**Full HD Analog Range**

### TVI Cameras

- **2MP TVI Zoom IR Bullet RTPP20M-1P**
  - TVI 1080p Full HD Resolution
  - 5.1–51mm 10x Zoom Lens
  - WDR, IR LEDs, 50m Range
  - IP66
  - TVI/ EX-SDI/ CVBS outputs, UTC

- **2MP TVI IR Bullet RTPP20-1P**
  - TVI 1080p Full HD Resolution
  - 2.8–12mm Varifocal Lens
  - WDR, IR LEDs, 40m Range
  - IP67, TVI/ CVBS outputs, UTC
  - Available with Zoom & Fixed Lens options

- **2MP TVI IR Dome RTPD20IR-1P**
  - TVI 1080p Full HD Resolution
  - 2.8–12mm Varifocal Lens
  - WDR, IR LEDs, 25m Range
  - TVI/ CVBS outputs, UTC
  - Available with Fixed Lens

- **2MP TVI Box RTXN20-1P**
  - TVI 1080p Full HD Resolution
  - WDR
  - C/ CS Lens
  - TVI/ CVBS outputs, UTC
  - Many options of housings & Lenses

### Hybrid DVRs

- **Hybrid DVR with 16CH TVI (2MP & 1MP) & CVBS (960H)**
  - Real-Time Recording @ 2MP
  - 4x SATA HDDs Internal, eSATA
  - HDMI, VGA & BNC Local Display
  - Supports UTC (TVI camera OSD control over Coax)
  - Remote software for administration & monitoring

- **16 CH Hybrid (TVI & CVBS) DVR RT16DVR-1X**

- **Hybrid DVR with 16CH TVI (2MP & 1MP) & CVBS (960H)**
  - 200ips & 100ips Rec. @ 2MP
  - 4x SATA HDDs Internal, eSATA
  - HDMI, VGA & BNC Local Display
  - Supports UTC (TVI camera OSD control over Coax)
  - Remote software for administration & monitoring

- **16 CH & 8 CH Hybrid (TVI & CVBS) DVR RT16DVR-1S & RT8DVR-1S**

- **Hybrid DVR with 4CH TVI (2MP & 1MP) & CVBS (960H)**
  - 50ips Rec. @ 2MP
  - 2x SATA HDDs Internal
  - HDMI & VGA Local Display
  - Supports UTC (TVI camera OSD control over Coax)
  - Remote software for administration & monitoring

- **4 CH Hybrid (TVI & CVBS) DVR RT4DVR-1E**

- **4MP & H.265 TVI Range will be available soon**

Centralized Solution for unlimited number of Analog, TVI DVRs, NVRs & IP cameras offering full Services:

- Administration, Setup, Recording, Monitoring, Videowall, Backup, Redundancy and Failover. The solution provides devices and users management, all events management and handling including PoS and Alarms details.

- Keyboard can be added for the solution for multi tasks like PTZ, Videowall, Clients view and DVRs/ NVRs control.

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Hybrid Cameras

### 2MP Hybrid IR Bullet
- **Model:** RATPP20M-1P / RATPP20-2P
- 1080p Full HD Resolution
- TVI, CVI, AHD, CVBS Outputs
- 2.8-12mm Varifocal Lens
- IR LEDs, 40m Range
- IP66, UTC

### 2MP Hybrid IR Dome
- **Model:** RATVD20MIR-1P
- 1080p Full HD Resolution
- TVI, CVI, AHD, CVBS Outputs
- 2.8-12mm Motorized Lens
- IR LEDs, 40m Range
- IP66, UTC

### 2MP TVI/ AHD IR 30x PTZ
- **Model:** RATS30D30-1P
- TVI/ AHD 1080p Full HD Res.
- 30x Zoom, WDR
- IR LEDs, 400m Range
- IP66
- TVI/ AHD/ CVBS switching, UTC

### 2MP TVI/ AHD 30x PTZ
- **Model:** RATS30-2P
- TVI/ AHD 1080p Full HD Res.
- 30x Zoom, WDR
- Compatible with wide range of housings and accessories.
- TVI/ AHD/ CVBS switching, UTC

### 2MP TVI/ AHD 20x Vandal PTZ
- **Model:** RAVPD20-1P
- TVI/ AHD 1080p Full HD Res.
- 20x Vandal, IP66, Compact Size
- TVI/ AHD/ CVBS switching, UTC

Hybrid DVRs

### 16 CH/ 8 CH Hybrid (TVI, AHD, CVBS & IP) DVR
- **Model:** RAT16DVR-1H / RAT8DVR-1H
- Hybrid DVR with 16CH/ 8CH AHD, TVI & CVBS & 4CH/2CH IP
- 200ips Recording @ 2MP
- 4x SATA HDDs Internal, iSCSI
- HDMI, VGA & BNC Local Display Supports UTC (Control over Coax)
- Remote software for administration & monitoring

### 16CH/ 8CH Hybrid (TVI, AHD, CVBS & IP) DVR
- **Model:** RAT16DVR-2H / RAT8DVR-2H
- Hybrid DVR with 16CH/ 8CH AHD, TVI & CVBS & 4CH/2CH IP
- Real-Time Recording @ 2MP
- 2x SATA HDD Internal, iSCSI
- HDMI, VGA & BNC Local Display Supports UTC (Control over Coax)
- Remote software for administration & monitoring

### 4CH Hybrid (TVI, AHD, CVBS & IP) DVR
- **Model:** RAT4DVR-2H
- Hybrid DVR with 4CH AHD, TVI & CVBS & 1CH IP
- Real-Time Recording @ 2MP
- 1x SATA HDD Internal, iSCSI
- HDMI, VGA Local Display Supports UTC (Control over Coax)
- Remote software for administration & monitoring

Hybrid & IP Elite Client: NC-Titanium

Software solution for administration, recording and monitoring of Hybrid DVRs & IP Elite devices. Server-Client system for local and remote operation.

Multi Tabs software Live1/Live2 (each with 64 Ch), Playback, Device playback, Status, Emap & Status
A completely unique IP security solution. It combines video management, access control, video analytics, intrusion alerts and more into a single networked platform that can be accessed from anywhere and at any time through a Web browser. Data from these subsystems is automatically correlated, providing users with a comprehensive view of security operations.

The Next Level in Video Management. The core of the NLSS Gateway is its fully integrated video management system, which is networked from the ground-up with all system components to offer a comprehensive view of a facility’s security operations. Integrating Access Control, Facial Recognition, LPR (License Plate Recognition), Video Transcoding, Video and Audio Analytics, HD Video Recording, Facial Capture and many other features in one, easy-to-use interface.

Fully Integrated IP Access Control System. The Gateway access control interface talks directly to IP access control devices through a network connection. As a result, access control is truly scalable. NLSS Gateways support HID Edge IP hardware, ASSA ABLOY/Sargent wireless and PoE locksets, providing an easy, truly integrated access control solution.

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New Partnership

Thermal Solution

Ultimate reliability video surveillance camera system with a comprehensive line of intelligent analog, and IP video surveillance solutions, performance, quality and intelligent functionality that grow with your requirements.

The product range includes Thermal Imaging Cameras, Pan Tilt Cameras, IP Cameras as well as Analogue Cameras.

A thermal imaging camera with high core technology, which captures images by detecting the energy difference of the infrared rays radiated by the target and the background within the visual field, then converting this into an electronic signal and finally into a digital image.

- Multi sensors thermal imaging IP & Analog PTZ & Fixed cameras
- Up to 1280 x 720P Thermal camera resolution using QIET scale up (Quality Image Enhancement Technology)
- Spot & Area temperature detection
- Adoption of low vision conditions of night, rain and fog
- 1,000 hours salt spraying test passed
- Different lenses and sensors with coverage up to 10 kilometers

THERMAL SECURITY COVERS EVERY SITUATION
City Surveillance Solution

Video surveillance has proven to be the most effective way to keep the city safe and secure, and has dramatically reduced the percentage of crime and misconduct in many countries and cities worldwide. Video surveillance has also played an important role in traffic control. In addition, every city requires security solutions to effectively fight random acts of violence, organized crime, and terrorism.

Revo City Surveillance provides the full coverage solution to cover 360 Degrees in focus using Top Resolution IP cameras which are the optimum solution for City cameras where it is needed to cover multiple road lines.

ATM Solution

Banking applications treat transactions from ATM machines carefully; recording them with text overlay. The video from the ATM camera is very helpful, in addition to a DVR size fitting the ATM cabin & miniature cameras installed inside the machine.

Display Solutions

Perfect solution for all security and control room applications, Built to run 24/7 and Tailormade view across multiple monitors with merging or separate monitors; up to a 20 x 20 configuration with Wide Range of Monitors Up to 4K Resolution and 42 – 82 Inch per monitor.

Video Multiviewer allows for maximum flexibility in screen layout and for viewing multi-window content of video and graphics at the same time over a single or multiple displays.

- Super Narrow Bezel Width is Perfect for tight mounting Video Wall
- DVI/ HDMI Cascading Up to 400 Monitors
- Wide range of accessories and mounting options
- Commander application allows on-screen graphical elements to be designed with any graphics tool
- Multiple multiviewer options with DVI, HDMI and SD / HD / 3G-SDI models with embedded audio
Revo born in the USA with an extensive product range designed and built for the high-end enterprise level applications; complying with the demanding integration requirements of such applications, meeting the stringent technical specifications within the industry.

Revo MENA, operating out of DHS, Jebel Ali, Dubai, UAE, provides on-going technical and design support with local stock availability for prompt shipping throughout the Middle East & North Africa (MENA).

Revo Team, with vast and rich experience in the Americas & MENA, along with its worldwide network of partners enables Revo Elite to be an industry leader with special emphasis on the needs of System Integrators.