

DVR Technical Bulletin

How does our new line of DVRs affect you? Take two minutes to learn how they change your installation experience.

Cameras

- Our DVRs are fully compatible with all Wirepath Surveillance™ cameras.
- The new Luma HD-TVI cameras use HIK-C (Coaxitron) protocol, not Pelco-D. Old cameras still use Pelco-D.
- A new line of Luma HD-TVI analog cameras is launching this month.

Housing & Mounting

- Our DVRs are now rack-mountable. The 4-channel is 1U. The 8- and 16-channel DVRs are 2U.
- We do not have wall-mountable DVRs (although they may come in the future).
- The DVRs do not have loop-outs; loop-outs are not possible with HD-TVI.
 - Fortunately, the new app system renders these unnecessary.

HDTVI & Wiring

- Get full HDT-VI support, including both 720p and 1080p.
- 960H support is included for backward compatibility.
- We recommend that you use coaxial cables with 2-wire power (instead of baluns).
 - This maximizes reliability and performance.
 - Baluns are acceptable only for short runs of 120' or less.
- Recommended bitrates are as follows:
 - 960H 1 Mbps
 - 720p 1–2 Mbps
 - 1080p 2–4 Mbps
- You no longer need RS-485 to control your camera's on-screen display; it's built into HD-TVI.
 - However, this can be lost in a ground loop scenario when installing on metal buildings.
 - If the DVR is grounded to the building, and the building is grounded to an internal electrical system, this creates a ground loop. Any filter you apply to such a system might remove both the ground-loop noise and the OSD control.

Browser

- The new web interface supports more browsers:
 - Internet Explorer
 - Chrome
 - Safari on Mac

Network

- You still need to use IP configuration as before.
 - With Wirepath, you forwarded the HTTP, control, and data ports. No more.
 - Now you forward the HTTP (web), server (mobile), and RTSP (live view) ports.
- We have a new Luma discovery tool.
 - Use this to discover Luma Surveillance™ DVRs.
 - You can also recover your DVR password with this utility and a security code.

Schedules

- The schedule settings now include holidays and arming schedules.
 - Holidays are treated like an eighth weekday.
 - Each alarm can have its own schedule for operation.
- The scheduler is far more powerful; for more, see the documentation at [SnapAV.com](https://www.snapav.com).

App

- One new app handles both DVRs and NVRs.
 - There's no more need for a dedicated Mac app.
 - You can mix camera views across multiple devices.
 - Get up to 16 cameras in one screen.
- For more details, visit the product page on your application store.

OvrC

- All recorders are OvrC enabled.
 - Update client firmware remotely and seamlessly.
 - Perform remote troubleshooting, without rolling a truck.
 - Get instant system notifications.
 - Perform instant status checks.
- We strongly recommend you add all your devices to OvrC for your ease and convenience.

Search

- These units feature huge improvements in search and export.
- A timeline gives a graphical record of the camera's activity.
 - Select a camera to see its timeline.
 - Continuous recordings show in blue; event recordings are rendered in green.
 - Click on the timeline to begin playback at that point.
 - VCR-like playback controls include fast forward and reverse.
 - You can zoom in and out of the timeline.
 - Calendar buttons move you quickly to the day of your choice.
- A search button lets you hunt for specific types of files.
 - The results window is persistent; no more repetitive searches.
 - You can play files straight from the search results window.
- A fast search button shows you the recordings on the camera's timeline.
 - This results window is also persistent.
 - Play files straight from the search results.

Export

- Download a file at any time during playback.
- An intuitive clipping tool makes grabbing your desired times easy.
- Footage is in MPEG format; nothing proprietary or difficult.
 - Audio playback may require installing Codec or a third-party player like VLC.

Control integration

- A complete list of IR, RS-232, and IP commands is available on our website.
 - Please check our website for the latest control system drivers for HDMI output
- The MPEG and JPEG streaming drivers are backward compatible.
- A Channel Zero option is now available for your matrix.

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