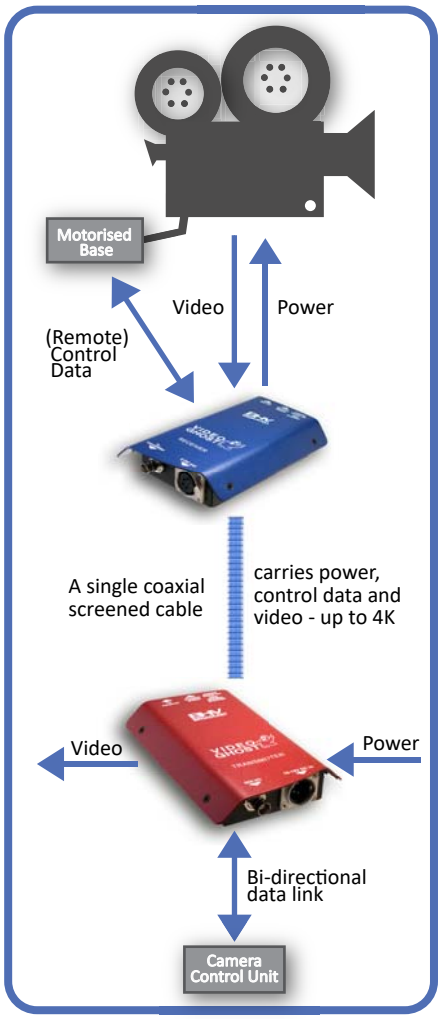
VIDEO GHOST dx

The one-of-a-kind solution for transmitting power, video and data at the same time - via one coaxial cable.



Tech Specs

With Video Ghost dx, a standard broadcast quality coaxial cable is transformed and elevated - and enabled to do a lot more than you would ever have expected:

Power Supply

Base station power input: 10-24Vd.c. @ 96W
Head End nominal power output: 14Vd.c. @ 75W

Other output voltages are available on request.
BHV Broadcast also manufactures a series of break-out cables and secondary power converters for situations where more than one voltage level is required at the head end.

Overload response time (both units): Exceeding maximum load for 10 seconds continuously (this allows for short-term current demands in excess of 100%).

The power available at the Video Ghost head end depends primarily on the quality of the coaxial cable used. As an example, using Belden 1694A will allow the user to send the maximum power of 75W over 150m (500ft).

Tables of the relationship between cable type, cable length and power levels are available on request.

Video Transmission

The maximum distance over which SDI may be carried by Video Ghost is similarly dependent on cable type. Using the same cable as shown above, the following distances may be achieved for the various SDI resolutions:

SD (Standard Definition)	270MB/sec	500m (1,650ft)
HD (High Definition)	1.485GB/sec	250m (825ft)
SHD (Super High Definition)	3GB/sec	165m (550ft)
2K	6GB/sec	100m (325ft)
4K UHD (Ultra High Definition)	12GB/sec	60m (200ft)

In essence, the lower the video resolution, the greater the maximum cable run, subject to the head end power requirement.

Bi-directional Data Link

The control data link can be used with a variety of protocols, incl. the Sony VISCA and the Pelco-D and -P formats.
Control PTZ (pan/tilt/zoom) on a remote camera over great distances and many other camera functions such as colour correction, iris setting and others. Other protocols will be added as they become available. The base station and head end can both be updated via the integral Mini-USB port.

Accessories

The head end is available in a range of form factors and fitting options, including the standard PTZ remote camera footprint and the "gull wing" design for attaching to PSC battery plates. A range of battery plate adaptors for this purpose is also available.

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