



# Shepherd SH-600

## Digital 5.8 GHz Audio Video Transmission System

Available for any CCTV camera including a pan-tilt-zoom camera and send encrypted digital MPEG4 audio video signals up to 4 miles away with a powerful 23dB antenna



### Features

- 5.8 GHz OFDM technology for reduced interference
- Advanced security provided by AES or RC4 key encryption
- MPEG4 Compression
- Proprietary serial data transmission for RS485 PTZ control
- Data Rates of up to 54 Mbps
- Full Duplex provides a stable wireless link
- Digital Image Processing cuts out signal ripple and snow
- User-selectable transmission power and distance
- MagicLink software for system configuration
- Supports NTSC and PAL (DVD Video resolution at 30 fps)
- No signal interference between cameras
- Easy installation and mounting



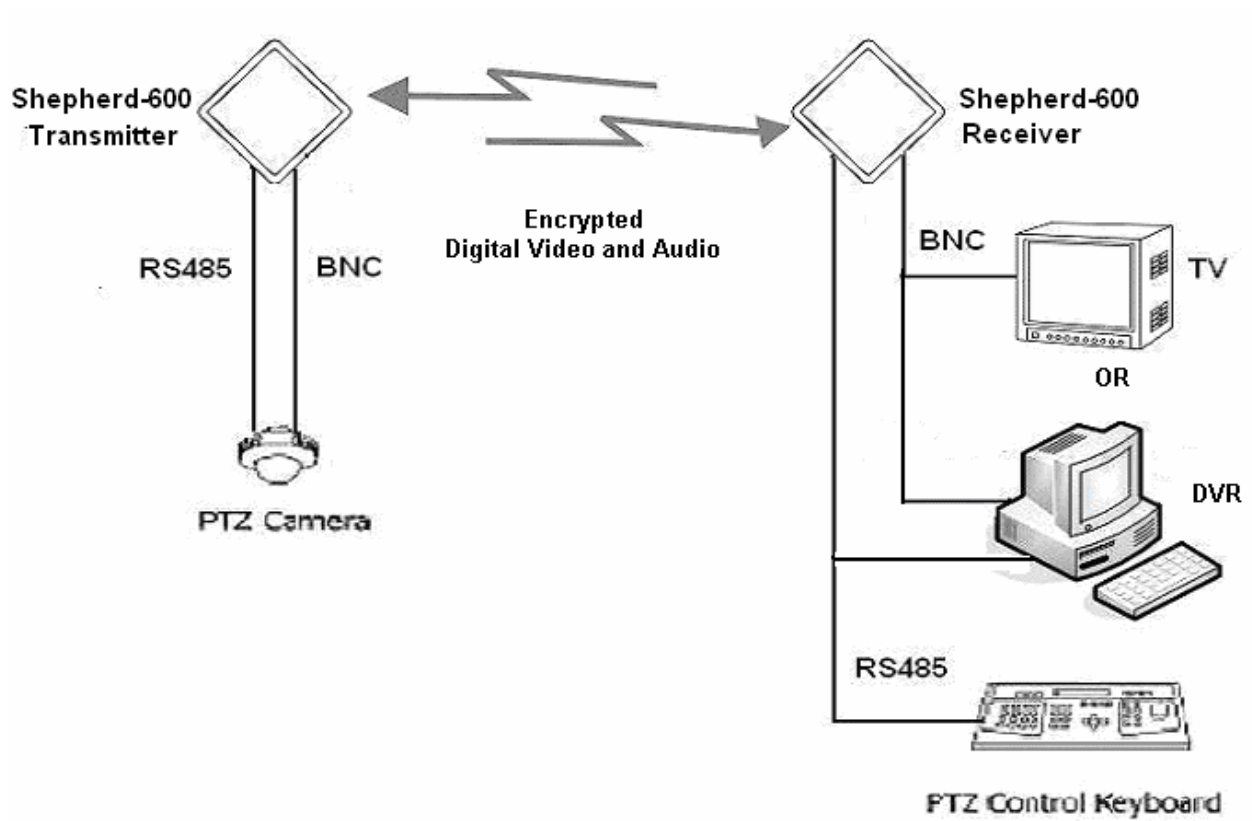
**The DeryTech Shepherd** represents an all new, high performance, cost effective digital based wireless surveillance camera transmission system. Offering exceptional bandwidth and serial data transmission, the Shepherd brings a wireless capability to all traditional fixed cameras and supplies built-in remote control to PTZ dome cameras via an RS485 full-duplex / half-duplex interface, providing a first-rate solution for remote and hard-to-reach camera locations.

The Shepherd uses the latest digital wireless OFDM modulation in the less crowded (and unlicensed) 5.8GHz radio band, providing transmission rates that significantly reduce signal interference and, being full-duplex, supplying a very stable wireless link, which, combined with our image processing software, delivers hi-definition, full-motion, no-ripple video up to 4 miles line-of-sight. Furthermore, the Shepherd offers considerably improved data security via either AES or RC4 key encryption when used in conjunction with our proprietary MagicLink software, and its bi-directional, full-duplex digital transmission allows the system to provide full joystick remote control of RS485 based PTZ cameras.

The Shepherd has also been designed for ease-of-use and flexibility. The MagicLink software makes configuring the Shepherd a quick and simple task, allowing for the selection of personalized encryption keys, the setting-up of the PTZ interface and a choice of transmission ranges for improved image quality. Where transmission of over 4 miles is required or the signal path needs to change direction, two or more Shepherds can be connected in series to create a Repeater Mode.

Overall, the Shepherd provides a versatile, all-in-one wireless transmission solution for CCTV and traffic surveillance needs, offering superb performance in all environments and weather conditions, and providing integrators and installers with a system that is easy to set-up, simple to install and straight-forward to operate, whilst offering time and money saving flexibility.

## Shepherd application



## Contact Information

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