

Security Link Over Coax™ (SLOC™) Receiver

TW3811

SLOC™ (Security Link Over Coax) is a transmission protocol for simultaneously transmitting analog CVBS video and digital IP video over a single coaxial cable.

The TW3811 is the receiving end of a SLOC link, converting the single SLOC signal on the coaxial cable back to separate Ethernet digital video data and analog CVBS video. It can be embedded into a DVR to enable one or more SLOC inputs or configured as a stand-alone SLOC-to-IP+CVBS converter.

The TW3811 includes an AFE, digital modem, and two Ethernet MII/RMII interfaces. The device accepts a SLOC output signal from a SLOC transmitter and decodes it into an analog CVBS signal and an Ethernet MII signal.

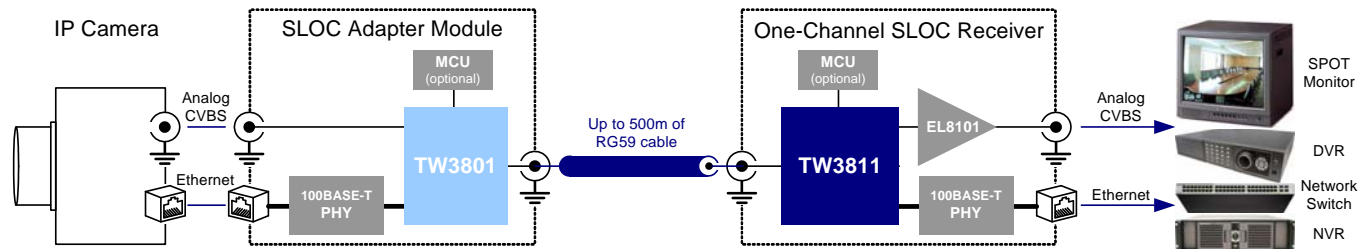
Applications

- Single-Channel SLOC receiver modem
- Multi-Channel SLOC receiver modem
- Embedded DVR

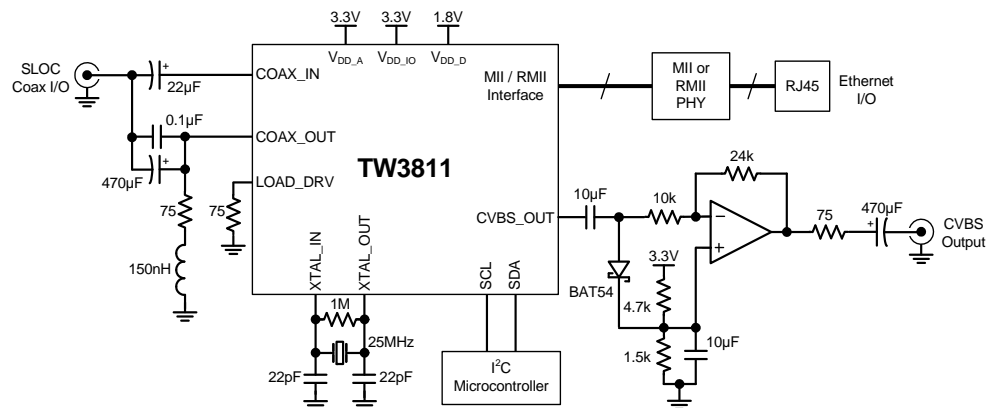
Features

- Simultaneous transmission of IP video data and analog CVBS video over up to 500m of RG59 coaxial cable
- Analog CVBS video preview support
- Proprietary adaptive analog equalizer for extending the reach of CVBS video
- Proprietary SLOC-based IP camera detection
- Creates a full-duplex 100BASE-T digital link
- 36Mbps downlink speed from TW3801 to TW3811
- 4Mbps uplink for SLOC compliance
- Ethernet MAC MII/RMII interface for interfacing to DVR/NVR network processor SoC
- Optional Ethernet PHY MII/RMII interface for interfacing to external Ethernet PHY chip
- I²C 2-wire control interface
- Integrated PLL with 25MHz crystal interface
- 1.8V, 3.3V supplies
- 100-TQFP (12x12mm) Package

Application Block Diagram



Simplified Application Schematic



For additional products, see www.intersil.com/product_tree

Intersil products are manufactured, assembled and tested utilizing ISO9000 quality systems as noted in the quality certifications found at www.intersil.com/design/quality

Intersil products are sold by description only. Intersil Corporation reserves the right to make changes in circuit design, software and/or specifications at any time without notice. Accordingly, the reader is cautioned to verify that data sheets are current before placing orders. Information furnished by Intersil is believed to be accurate and reliable. However, no responsibility is assumed by Intersil or its subsidiaries for its use; nor for any infringements of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of Intersil or its subsidiaries.

For information regarding Intersil Corporation and its products, see www.intersil.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Video ICs category](#):

Click to view products by [Renesas manufacturer](#):

Other Similar products are found below :

[ADV7343WBSTZ](#) [TW2964-LA2-CR](#) [TW9903-FB](#) [TW9919-PE1-GR](#) [TW9960-TA1-GR](#) [LA9520V-TLM-E](#) [TW9910-NA2-GR](#) [TW9900-TA1-GR](#) [ADV7625KBCZ-8](#) [MAX9406ETM+T](#) [PI3HDX414FCEEX](#) [PI3HDX511FZLEX](#) [M31245G-15](#) [PI3HDX511DZLEX](#) [MAX4895EETE+T](#) [M23428G-33](#) [PI7VD9008ABHFDE](#) [TW2984-NA2-CR](#) [ADV7186BBCZ-RL](#) [ADV7186BBCZ-TL](#) [PI3HDMI521FBE](#) [ADV7186BBCZ-T-RL](#) [ADV8003KBCZ-7C](#) [LT6554IGN#PBF](#) [M21324G-13](#) [GS12181-INE3](#) [PI3VDP411LSAZBEX](#) [PI3VDP411LSTZBEX](#) [M23145G-14](#) [PI3VDP411LSRZBEX](#) [PI3HDX511EZLSEX](#) [TW9910-NB2-GR](#) [CM5100-01CP](#) [ADV7610BBCZ-RL](#) [BA7653AFV-E2](#) [BA7654F-E2](#) [BA7657F-E2](#) [BH76331FVM-TR](#) [BH76332FVM-TR](#) [BH76363FV-E2](#) [TVP5160PNP](#) [MAX9597CTI+](#) [BA7602F-E2](#) [BA7606FS-E2](#) [BA7612F-E2](#) [BA7626F-E2](#) [BA7653AF-E2](#) [BH76112HFV-TR](#) [BH76361FV-E2](#) [BH76362FV-E2](#)