



## InfinityLink ILC410 - SD-SDI or ASI 2 Ch Bi-Directional IP Gateway

### Module Settings

### Receiver Settings

### Transmitter Settings

### Module Settings

1	IP Address of ILC410 Module <ul style="list-style-type: none"> <li>This is the source IP address of all traffic transmitted and the destination IP address of all traffic received</li> <li>Also the address that responds to "Pings"</li> </ul>
2	VLAN ENABLE/DISABLE and Configuration <ul style="list-style-type: none"> <li>Specifies whether VLAN tag is populated on outgoing Ethernet frames</li> <li>Specifies VLAN ID that is set on outgoing Ethernet frames</li> <li>Specifies VLAN priority (1 through 7; 1=low, 7=high)</li> <li>VLAN ID/VLAN priority only display when VLAN Enable selected</li> </ul>
3	VIDEO MODE for Channel A and B <p>Specifies video mode for all channels (ASI or SDI/SDTI)</p>
4	ENABLE ALARM on loss of active video <p>If enabled, alarm will activate if active video signal is lost</p>
5	ENABLE ALARM ON SFP not present <p>If enabled, alarm will activate if an SFP is not installed</p>
?	ILC410 Module or Receiver or Transmitter Settings Help

### CHANNEL A (OR B) RECEIVE Configuration

#### Configures settings for data received from ILC410 IP network

1	RECEIVER: Enable Channels to RECEIVE video from network
2	Source IP Address of ILC410 or SMPTE 2022 based Ethernet transmitter
3	IP Multicast group Address Special multicast address ILC410 receives traffic from during multicast reception
4	TC/IP PORT Address Logical TCP port address that ILC410 receives traffic on
5	RECOVery Buffer1 Size to handle late arriving and misordered packets (see ILC410 manual for more info) <ul style="list-style-type: none"> <li>Large setting provides greater ability to receive late and misordered packets</li> <li>Recovery Buffer Size and FEC settings determine ILC410 latency (see manual)</li> </ul>

1. In ASI mode, only the small buffer setting should be used to avoid excessive latency

### Channel A (or B) Transmit Configuration

1	Enable Channels to Transmit video to network Transmit Video Source <ul style="list-style-type: none"> <li>TRANSMIT video source BNC or other slot</li> </ul>
2	<ul style="list-style-type: none"> <li>Selects source of transmit video</li> <li>For IL6000, displays backplane slots 1-4</li> </ul>
3	Destination IP Address of ILC410 or SMPTE 2022 based Ethernet receiver
4	Logical TCP port address that IP packets are transmitted on. Number must be between 1 and 65535.
5	Specifies IP Type of Service (TOS) bits for transmit data Specifies IP priority level to route traffic through network to destination
6	Specifies Forward Error Correction (FEC) settings <ul style="list-style-type: none"> <li>Specify Column or Row/Column or No FEC</li> <li>Specify FEC matrix (row and column) size (maximum 1,500)</li> </ul>
7	Specifies ASI bandwidth limiting (ASI mode only) <ul style="list-style-type: none"> <li>If transmit ASI traffic exceeds specified bandwidth, traffic will be throttled</li> <li>ASI bandwidth limit/M2TS packing displays when ASI mode selected (module settings)</li> </ul>
8	Specifies Number of MPEG frames per IP frame (ASI mode only) <ul style="list-style-type: none"> <li>For lowest latency, choose 1 (least efficient use of bandwidth)</li> <li>For most efficient use of bandwidth, choose 7</li> </ul>



### Install SFPs



## ILC410 FRONT PANEL LEDS

LED	Function	Color	Description
OK	ILC410 Module Status	OFF	No power or power fault
		● Green	No alarm
		● Yellow	Minor alarm
		● Red	Major alarm
SDI	Operating Mode	OFF	ASI Mode
		● Green	SDI Mode
TX	Transmitter Status (A, B)	● Green	Normal operation
		● Red	SFP TX failure exists
		* Red	No SFP is installed
RX	Receiver Status (A, B)	● Green	Normal operation
		* Yellow	Optical Rx power too high
		* Red	A low receive power condition exists
ACT	Ethernet Activity	● Green	Link present
		* Green	Link activity
IN A, IN B	TX Channel Status	OFF	Channel is disabled
		● Green	Video is received
		● Yellow	No signal detected
		● Red	Improper video input
		* Red	DVB-ASI rate limited
OUT A, OUT B	RX Channel Status	OFF	Channel is disabled
		● Green	Video is received
		* Green	Successful FEC
		* Green   * Red	Unsuccessful FEC
		● Yellow	Provisioned but not receiving IP packets
		● Red	Improper video input
<b>CHANNEL SELECT MON Switch</b>	Monitor Video Channel On SMB Connector	Pressing Monitor Switch indicatesz which video channel (IN A, B or OUT A, B) is output on MON SMB Connector. Pressing Monitor Switch while LEDs are flashing will advance monitor output to next video channel	

\* Flashing green | \* Flashing yellow | \* Flashing red

### Sales



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