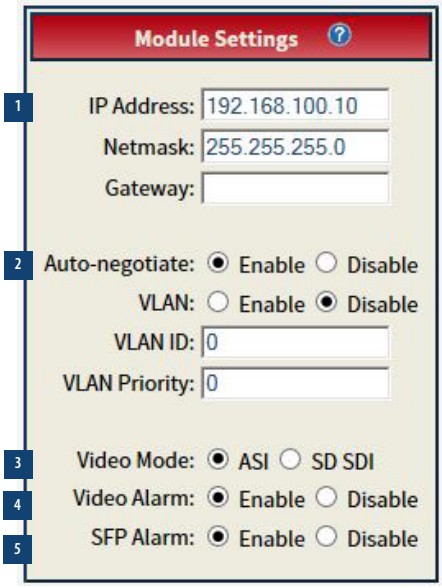
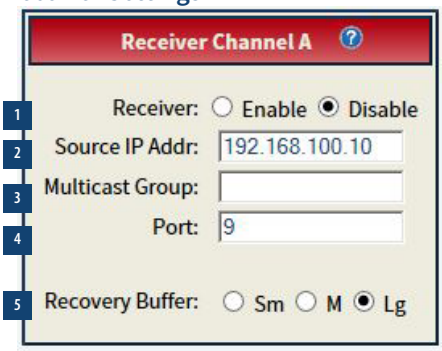
DigiLink DLC410 - DVB-ASI and SD-SDI Video-Over-IP Gateway

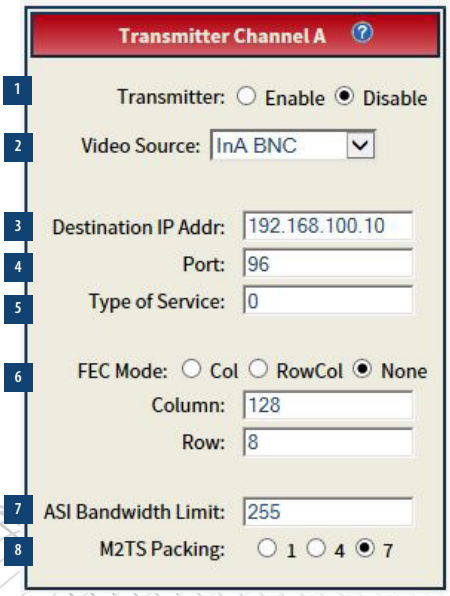
Module Settings



Receiver Settings



Transmitter Settings



Module Settings

1	IP Address of DLC410 Module • This is the source IP address of all traffic transmitted and the destination IP address of all traffic received • Also the address that responds to “Pings”
2	VLAN ENABLE/DISABLE and Configuration • Specifies whether VLAN tag is populated on outgoing Ethernet frames • Specifies VLAN ID that is set on outgoing Ethernet frames • Specifies VLAN priority (1 through 7; 1=low, 7=high) • VLAN ID/VLAN priority only display when VLAN Enable selected
3	VIDEO MODE for Channel A and B Specifies video mode for all channels (ASI or SDI/SDTI)
4	ENABLE ALARM on loss of active video If enabled, alarm will activate if active video signal is lost
5	ENABLE ALARM ON SFP not present If enabled, alarm will activate if an SFP is not installed
?	DLC410 Module or Receiver or Transmitter Settings Help

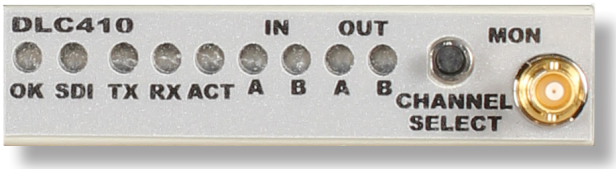
CHANNEL A (OR B) RECEIVE Configuration
Configures settings for data received from DLC410 IP network

1	RECEIVER: Enable Channels to RECEIVE video from network
2	Source IP Address of DLC410 or SMPTE 2022 based Ethernet transmitter
3	IP Multicast group Address Special multicast address DLC410 receives traffic from during multicast reception
4	TC/IP PORT Address Logical TCP port address that DLC410 receives traffic on
5	RECOVery Buffer1 Size to handle late arriving and misordered packets (see DLC410 manual for more info) • Large setting provides greater ability to receive late and misordered packets • Recovery Buffer Size and FEC settings determine DLC410 latency (see manual)

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
2	Transmit Video Source • TRANSMIT video source BNC or other slot • Selects source of transmit video • For DL4000, displays backplane slots 1-4 • For DL4360x and DL4300, displays backplane slots 1-4, 5-8, or 9-12
3	Destination IP Address of DLC410 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 • Specify Column or Row/Column or No FEC • Specify FEC matrix (row and column) size (maximum 1,500)
7	Specifies ASI bandwidth limiting (ASI mode only) • If transmit ASI traffic exceeds specified bandwidth, traffic will be throttled • ASI bandwidth limit/M2TS packing displays when ASI mode selected (module settings)
8	Specifies Number of MPEG frames per IP frame (ASI mode only) • For lowest latency, choose 1 (least efficient use of bandwidth) • For most efficient use of bandwidth, choose 7



Install SFPs

DLC410 FRONT PANEL LEDS

LED	Function	Color	Description
OK	DLC410 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

CHANNEL SELECT MON Switch	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

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