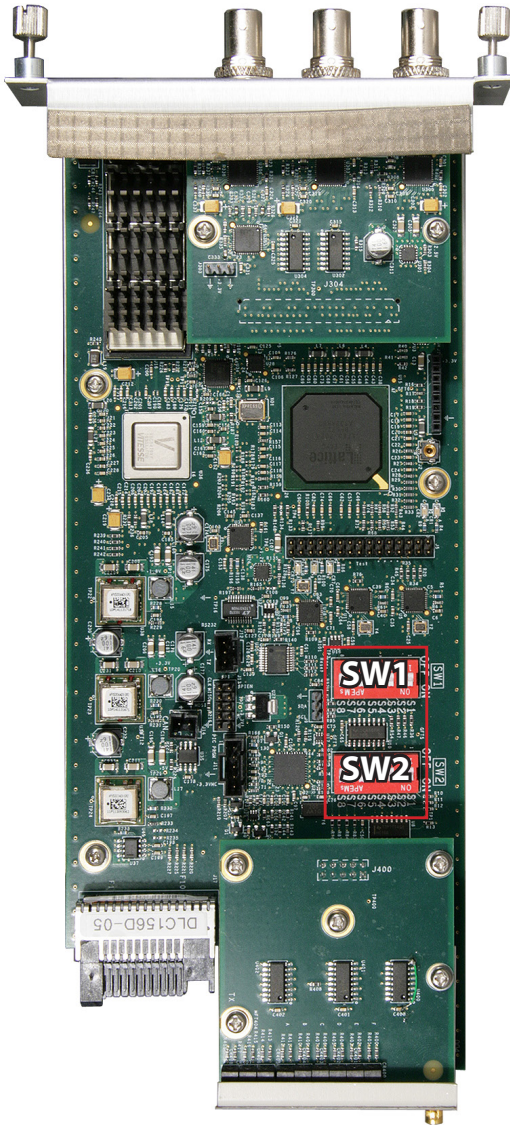# DigiLink DLC156D Six Channel TDM De-Multiplexer for 3G, HD, SDI, and ASI

Artel ships the DLC156D configured as follows:

- All six channels enabled
- Optical repeater (TX laser) is disabled
- No video detected alarm disabled
- EMS override enabled (DigiLink Manager can change the DLC156D configuration)

■ DIP SWITCH CONFIGURATIONS
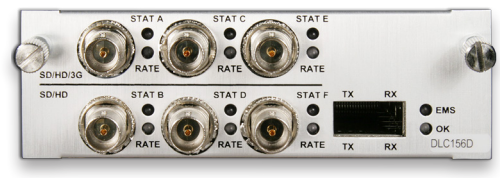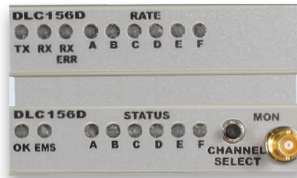
SW1 Channel Enables

SW1	Channel	OFF	ON		Channel	OFF	ON
S1	*Channel A*	Disabled	*Enabled*	S5	*Channel E*	Disabled	*Enabled*
S2	*Channel B*	Disabled	*Enabled*	S6	*Channel F*	Disabled	*Enabled*
S3	*Channel C*	Disabled	*Enabled*	S7	*Reserved*	-	
S4	*Channel D*	Disabled	*Enabled*	S8	*Reserved*	-	

Factory Default: All On

SW2 Configuration

SW2	Setting	OFF	ON
S1	*Reserved*	-	*Must be on*
S2	*Reserved*	-	*Must be on*
S3	*Video Alarm*	Loss of video on an enabled input causes a major alarm	*No alarm*
S4	*Optical Repeater Disabled*	Repeater mode (TX laser) is enabled	*Repeater mode disabled*
S5	*Reserved*	-	*Must be on*
S6	*Reserved*	-	*Must be on*
S7	*Reserved*	-	*Must be on*
S8	*EMS Enable*	EMS cannot override the local switches	*EMS allowed*

Factory Default: All On

DLC156D FRONT PANEL LEDS

LED	Function	Color	Description
OK	DLC156D Module Status	OFF	If power is applied to the system, an internal fault may exist
		● Green	Normal operation
		● Yellow	Minor alarm
		● Red	Major alarm
EMS	DigiLink Manager System Status	OFF	The module's configuration is controlled by the onboard configuration switches.
		● Green	The module's configuration has been set by DigiLink Manager EMS. When green, the configuration switches have no effect on the module's operation
TX	Transmitter Status	OFF	Repeater is disabled, laser is off
		● Green	Normal repeater operation, TX is enabled
		✳ Green	Locked to 10 Gig Ethernet and repeating – Video outputs disabled
		✳ Red	No XFP is installed or a transmitter fault
RX	Receiver Status	● Green	Normal operation
		✳ Yellow	High receive power
		✳ Red	No XFP is installed, or invalid input signal exists
RX ERR	Receiver Errors	OFF	No optical errors
		✳ Green	Error detected and corrected
		✳ Yellow	Error detected and corrected, high error rate warning
		● Red	Error detected, could not be corrected
A, B, C, D, E, F (RATE)	Input Rate	OFF	No input signal, an SD-SDI input or an ASI input
		● Green	A HD-SDI signal
		● Yellow	A 3G-SDI signal
A, B, C, D, E, F (STATUS)	Input Status	OFF	Channel disabled
		● Green	Video detected on channel
		● Yellow	No video detected on channel
		● Red	Channel contains a signal outside the frequency range (+/- 100 PPM)
		✳ Red	3G-SDI blocked at source (DLC156M)

DLC156D REAR PANEL LEDS

LED	Function	Color	Description
OK	DLC156D Module Status	OFF	If power is applied to the system, an internal fault may exist.
		● Green	Normal operation
		● Yellow	Minor alarm
		● Red	Major alarm
EMS	DigiLink Manager System Status	OFF	The module's configuration is controlled by the onboard configuration switches.
		● Green	The module's configuration has been set by DigiLink Manager EMS. When green, the configuration switches have no effect on the module's operation.
A, B, C, D, E, F (RATE)	Input Rate	OFF	No input signal, an SD-SDI input or an ASI input
		● Green	A HD-SDI signal
		● Yellow	A 3G-SDI signal
A, B, C, D, E, F (STAT)	Input Status	OFF	Channel disabled
		● Green	Video detected on channel
		● Yellow	No video detected on channel
		● Red	Channel contains a signal outside the frequency range (+/- 100 PPM)
		✳ Red	3G-SDI blocked at source (DLC156M)

✳Flashing green |✳FlashingYellow |✳ Flashing Red

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