

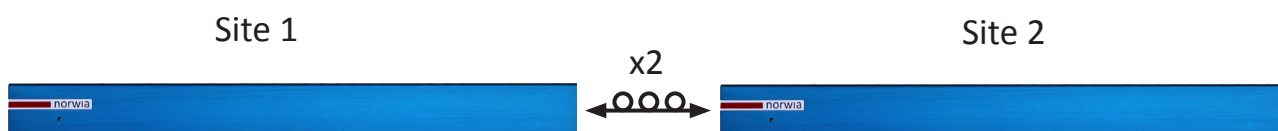
8ch (SD-SDI, HD-SDI, 3G-SDI, DVB-ASI) & BiDi Gigabit Ethernet = 2 Fibers

This example of the miniHUB systems fits into 1 rack unit and provides a very compact and flexible optical fiber distribution system. It is common to either lease fiber pairs for short terms or even on long term basis. These leases are usually a fiber pair with the general used for fiber channel applications. Norwia can use these channels and distribute Gigabit Ethernet and 8 channels of video (SD-SDI, HD-SDI, 3G-SDI, DVB-SDI) onto two fibers. Norwia efficiently distribute these channels by using the BiDi Optical transceiver which has a built-in WDM filter to trim the channel count down from 2 to 1. It is a very efficient way to use the miniHUB system to gain maximum distribution on fiber.

Technical Descriptions:

One miniHUB frame is used at each location in this example. At site 1 we have 6 channels of transmit for video and 2 channels of video for receive. These channels are place onto a 8 channel CWDM filter for distribution on 1 of the 2 fibers. The second fiber is used for GigaBit Ethernet, but uses the BiDi optical transceivers which have the WDM filter built-in to the SFP. At site 2 we have 6 channels of video receive and 2 channels of video transmit as the GigaBit Ethernet channel on the second fiber. Because of the application flexible, format flexible miniHUB system, the user can easily upgrade this system up 16 channel of video distribution on the 1 fiber.

Technical:



- 1 x 10556 miniHUB Frame
- 3 x 10561 OC-4B-SDI card
- 1 x 10672 Ethernet SFP
- 1 x 10690 Optical BiDi SFP Ethernet 1310
- 1 x 10587 CH 1550-1570 CWDM TX SFP
- 1 x 10587 CH 1510-1530 CWDM TX SFP
- 1 x 10585 CH 1470-1490 CWDM TX SFP
- 1 x 10594 RX Dual ch SFP
- 1 x 10705 Fiber patch cables (9 piece)
- 1/2 x 10712 CWDM Filter CH9-16

- 1 x 10556 miniHUB Frame
- 3 x 10561 OC-4B-SDI card
- 1 x 10672 Ethernet SFP
- 1 x 10692 Optical BiDi SFP Ethernet 1510
- 3 x 10594 Dual channel RX
- 1 x 10588 CH 1590-1610 CWDM TX SFP
- 1 x 10705 Fiber patch cables (9 piece)
- 1/2 x 10712 CWDM Filter CH9-16

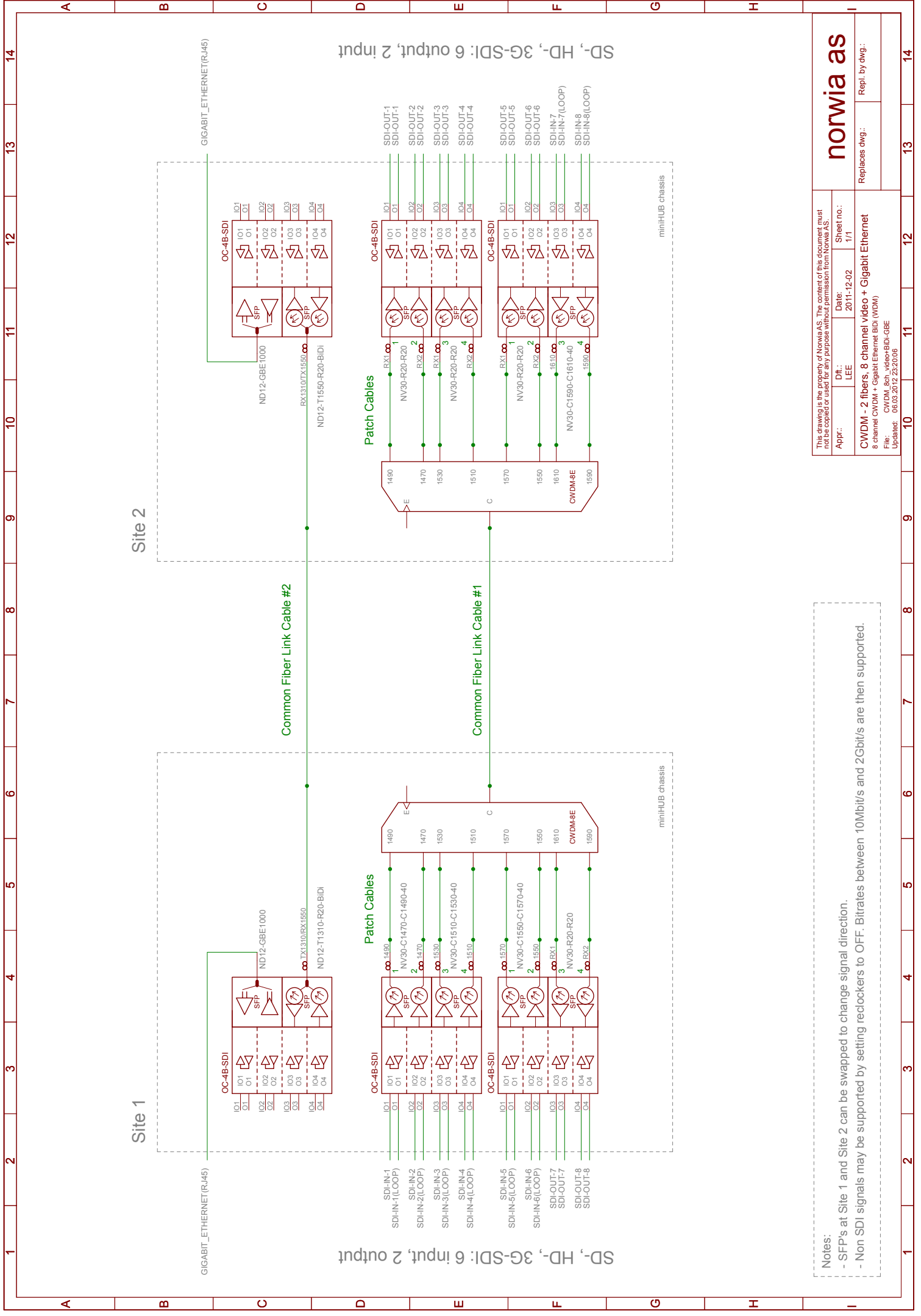
The miniHUB system is application flexible, format flexible with a lower cost of ownership

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SD-, HD-, 3G-SDI: 6 input, 2 output

SD-, HD-, 3G-SDI: 6 output, 2 input

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Replaces dwg.: Repl. by dwg.:			
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Appr.:	Drf.:	Date:	Sheet no.:
LEE	LEE	2011-12-02	1/1
CWDIM - 2 fibers, 8 channel video + Gigabit Ethernet			
8 channel CWDIM + Gigabit Ethernet (SDI) (WDM)			
File: CWDIM_8ch_video+SDI-GBE			
Updated: 06.05.2012 23:20:06			

Notes:

- SFP's at Site 1 and Site 2 can be swapped to change signal direction.
- Non SDI signals may be supported by setting reclockers to OFF. Bitrates between 10Mbit/s and 2Gbit/s are then supported.