

16ch (SD-SDI, HD-SDI, 3G-SDI, DVB-ASI) = 1 Fiber

The miniHUB optical distribution system can hold a maximum of 16 channel of video (SD-SDI, HD-SDI, 3G-SDI, DVB-ASI) in one frame (1 rack unit). Its the most compact system available today with control system and optical CWDM multiplexer built in. The direction of the video can be easily changed around by simply removing the sfp's from each end and swapping these over. The AutoSFP functionality performs all the nesscessary changes to the core phabrix and Flexi I/O's to change the functionality around automatically.

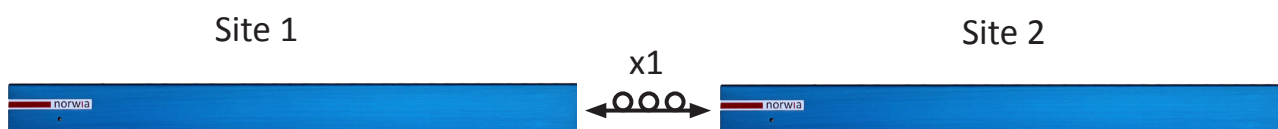
This functionality gives flexibility plus easy operational qualities to all users for events that are temporary or for redeployment of a system in years to come. This 16 channel CWDM video system is suitable for tie line management or for metro based systems when a cost effective solution is needed.

Technical Descriptions:

The one frame compact system in this example has 4 x OC-4B-SDI (application, format flexible cards) at each site. 8 dual TX CWDM sfp's are inserted to give 16 CWDM frequencies that are feed to the 2 x 8 channel CWDM filters and then combined to one fiber for distribution to the remote site 2.

Once received at the remote site 2 the signal is divided by the 2 x 8 channel CWDM Filters and feed back to the 8 x Dual TX receivers. The video is recovered by the 4 OC-4B-SDI cards at site 2 and presented bit for bit (full bandwidth) for distribution at site 2.

Technical:



- 1 x 10556 miniHUB Frame
- 1 x 10653 Redundant power supply
- 4 x 10561 OC-4B-SDI card
- 1 x 10585 CH 1470-1490 CWDM TX SFP
- 1 x 10587 CH 1510-1530 CWDM TX SFP
- 1 x 10587 CH 1550-1570 CWDM TX SFP
- 1 x 10588 CH 1590-1610 CWDM TX SFP
- 1 x 10589 CH 1270-11290 CWDM TX SFP
- 1 x 10590 CH 1310-1330 CWDM TX SFP
- 1 x 10591 CH 1350-1370 CWDM TX SFP
- 1 x 10592 CH 1390-1410 CWDM TX SFP
- 2 x 10705 Fiber patch cables (9 piece)
- 1/2 x 10712 CWDM Filter CH9-16
- 1/2 x 10713 CWDM Filter CH1-8

- 1 x 10556 miniHUB Frame
- 1 x 10653 Redundant power supply
- 4 x 10561 OC-4B-SDI card
- 8 x 10594 Dual channel RX
- 2 x 10705 Fiber patch cables (9 piece)
- 1/2 x 10712 CWDM Filter CH9-16
- 1/2 x 10713 CWDM Filter CH1-8

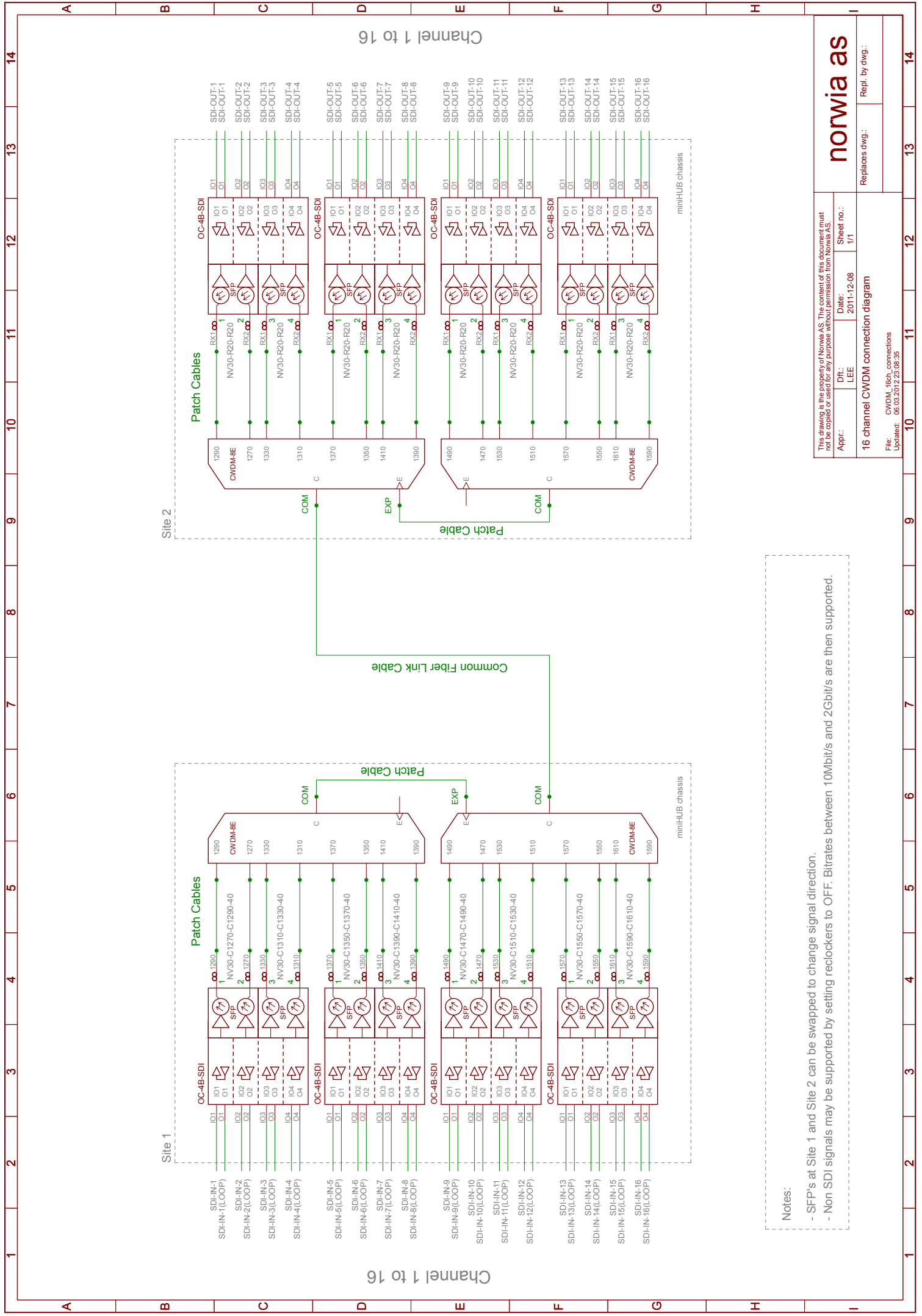
The miniHUB system is application flexible, format flexible with a lower cost of ownership

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Channel 1 to 16

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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.

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Appr.:	LEE
Dt.:	2011-12-08
Date:	2011-12-08
Sheet no.:	1/1
<p>16 channel CWDM connection diagram</p>	
<p>Replaces dwg.: norvia as</p>	
<p>Repl. by dwg.:</p>	
<p>File: CWDM_16ch_connections Updated: 08.02.2012,08:35</p>	