

14ch (SD-SDI, HD-SDI, 3G-SDI, DVB-ASI) & Gigabit Ethernet = 1 Fiber

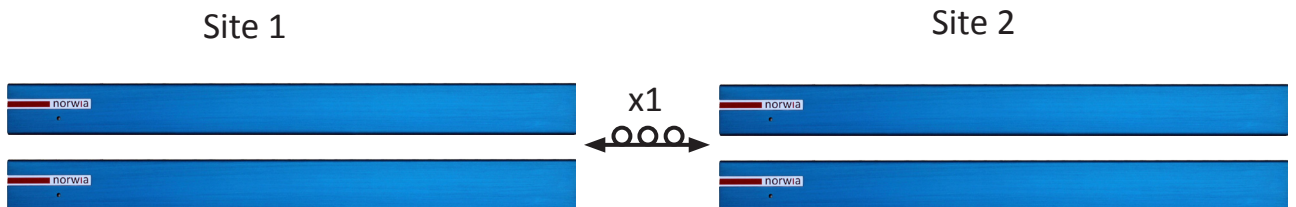
Multiple video channels and a Gigabit ethernet channel are a common challenge that needs to be solved in distribution of broadcast signals. This is amplified when the need to truncate these singles from multiple fiber to 1 fiber. In most short haul application multiple fibers are acceptable due to the short distance, also they are placed in a easy installation environment, i.e. internally within buildings or pre-cabled areas. When new paths are chosen that need major excavation or rental of multiple fiber strands becomes price inhibitive, then CWDM is the answer.

Technical Descriptions:

14 Channels of the filter are used for distribution video signals, these 14 video channels can be easily changed when the signal direction needs to be redirected by swapping the appropriate SFP optics from each end and letting AutoSFP take the pain out of reconfiguration! In this example there is 13 channels in one direction and 1 channel in the other location of video distribution.

Two channels of the CWDM filter are used for the Gigabit Ethernet distribution and thus makes the full 16 channels of the filters installed.

Technical:



- 2 x 10556 miniHUB Frame
- 5 x 10561 OC-4B-SDI card
- 1 x 10672 Ethernet SFP
- 1 x 10686 Optical SFP Ethernet 1510
- 1 x 10589 CH 1270-1290 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
- 1 x 10587 CH 1550-1570 CWDM TX SFP
- 1 x 10588 CH 1590-1610 CWDM TX SFP
- 1 x 10585 CH 1470-1490 CWDM TX SFP
- 1 x 10594 RX Dual ch 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

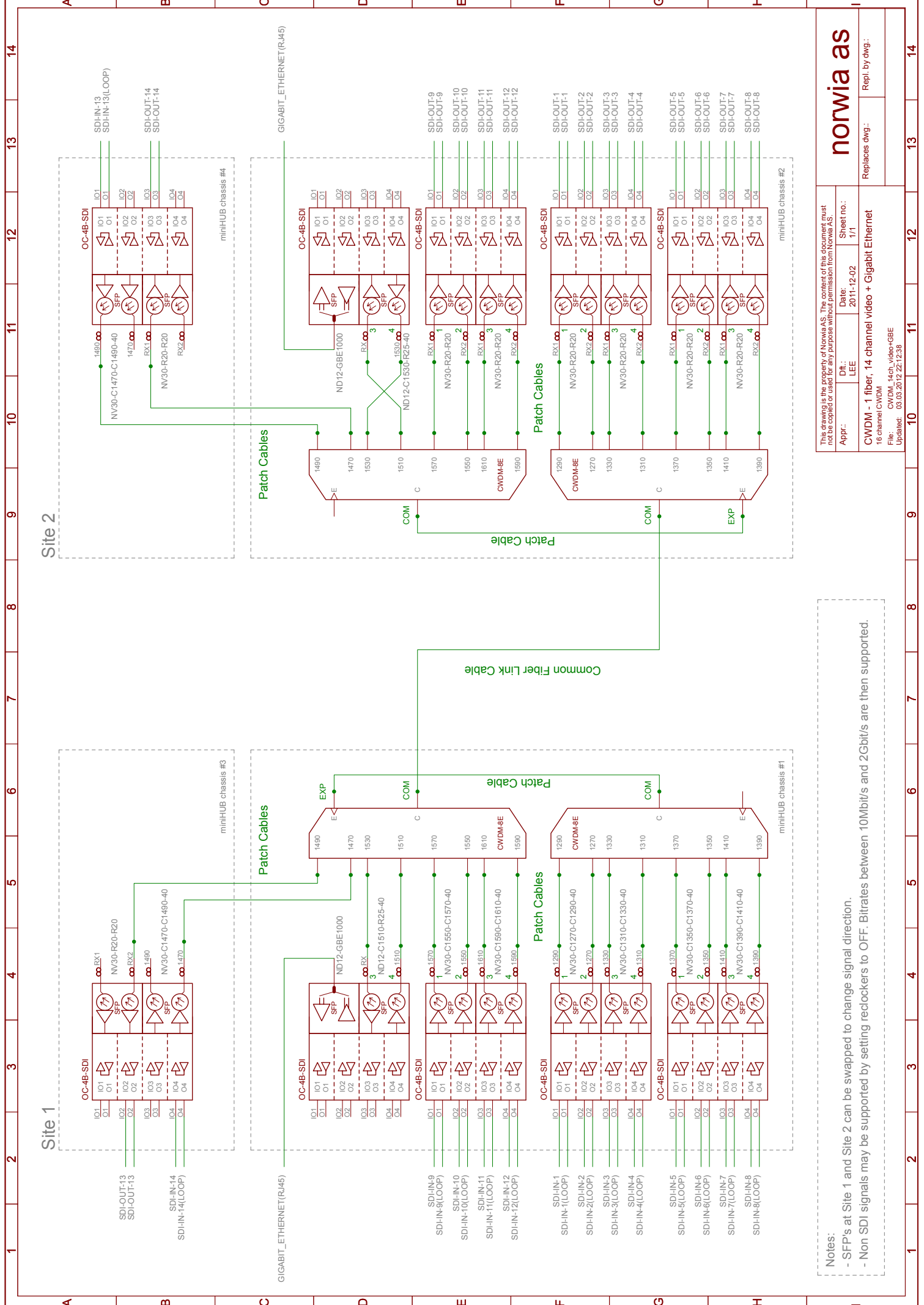
- 2 x 10556 miniHUB Frame
- 5 x 10561 OC-4B-SDI card
- 1 x 10672 Ethernet SFP
- 1 x 10688 Optical SFP Ethernet 1530
- 7 x 10594 Dual channel RX
- 1 x 10585 CH 1470-1490 CWDM TX SFP
- 2 x 10705 Fiber patch cables (9 piece)
- 1/2 x 10712 CWDM Filter CH9-16
- 1/2 x 10713 CWDM Filter CH1-8

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

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Site 2

Site 1

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:	DR:	LEE	Date:	2011-12-02	Sheet no.:	1/1
CWDIM - 1 fiber, 14 channel video + Gigabit Ethernet						
File: CWDIM_14ch_video-GBE						
Updated: 03.03.2012 22:12:38						

norwia as

Replaces dwg.:

Repl. by dwg.:

14

13

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