

12ch (SD-SDI, HD-SDI, 3G-SDI, DVB-ASI) & Gigabit Ethernet = 1 Fiber

To show the compact form of the miniHUB 1 rack unit system, this system contain 12 channels of non compressed video (SD-SDI, HD-SDI, 3G-SDI, DVB-ASI) and a Gigabit Ethernet channel via 1 fiber over a CWDM system.

This CWDM system can be refitted on the fly to have 16 channel video by just removing the Ethernet sfp's and replacing them with video sfp's. Remember this is still using the same main card (OC-4B-SDI) as before for Gigabit Ethernet.

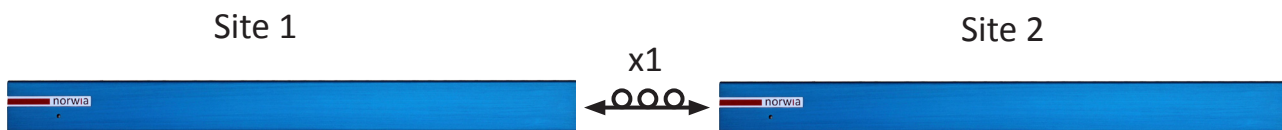
The compact nature and flexibility of formats and application with the miniHUB CWDM system makes this the most versatile system on the market today.

Technical Descriptions:

In this example we have used one miniHUB frame at each site. The capacity is determine with the Gigabit Ethernet channel being added using normal Ethernet sfp's. This leave room for 12 channels of video. 3 x OC-4B-SDI cards are used at one site with 6 dual CWDM tansmitter into 2, 8 channels CWDM filters. 2 of the 4 CWDM frequencies remaining are used for the Ethernet transport. At site 2 these channel are decoded back via the 2 x 8 channel CWDM filters to 6 dual channel video sfp's and 1 x optical tranceiver via the Gigabit Ethernet sfp.

This system is easily changable for signal direction with minimal effort depending on the needs of the individual.

Technical:



- 1 x 10556 miniHUB Frame
- 1 x 10653 Redundant power supply
- 4 x 10561 OC-4B-SDI card
- 1 x 10672 Ethernet SFP
- 1 x 10587 CH 1550-1570 CWDM TX SFP
- 1 x 10588 CH 1590-1610 CWDM TX SFP
- 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 10686 Optical SFP Ethernet 1510
- 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
- 6 x 10594 Dual channel RX
- 1 x 10672 Ethernet SFP
- 1 x 10688 Optical SFP Ethernet 1530
- 2 x 10705 Fiber patch cables (9 piece)
- 1/2 x 10712 CWDM Filter CH9-16
- 1/2 x 10713 CWDM Filter CH1-8

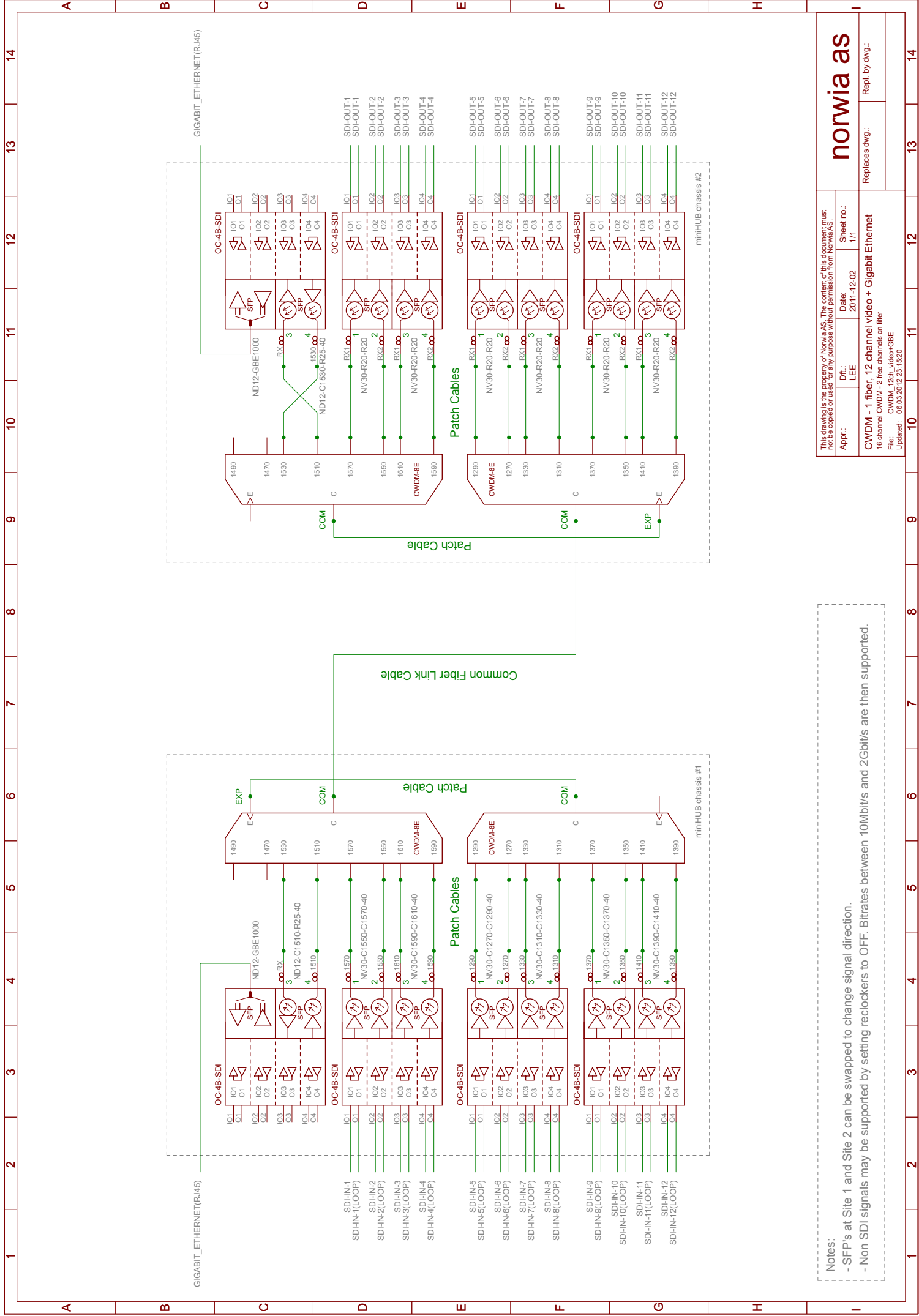
The miniHUB system is application flexible,
format flexible with a lower cost of ownership

Norwia as
P.O. Box 14
Sandefjord 3201
Norway

Sales
p. +47 3345 2090
e. info@norwia.no
w. norwia.no



norwia



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.

This drawing is the property of Norwia AS. The content of this document must not be copied or used for any purpose without permission from NorwiaAS.

Appr.:	Dft.:	Date:	Sheet no.:
LEE	LEE	2011-12-02	1/1

CWDM - 1 fiber, 12 channel video + Gigabit Ethernet
 16 channel CWDM - 2 free channels on filter
 File: CWDm_12ch_video+GbE
 Updated: 06.05.2012 23:15:20

norwia as

Replaces dwg.:
 Repl. by dwg.: