

# Belgian optical receiver 40G



## Overview

This Analog Optical Receiver has low noise, long transmission distance, operating frequency up to 40GHz, integrated optical monitoring and alarm function, high dynamic range. The Optilab PR-40G-M is a high speed photo receiver module. Featuring 30 GHz bandwidth and 3000 V/W differential conversion gain, this module can be used in digital application as high as 40 Gbps. Thanks to its linear response, it is well suited for pulse amplitude modulation (PAM) detection such. The DSC-R410 balanced receiver product family is ideally suited for a variety of applications up to 40 Gb/s such as DPSK, DQPSK and Dual Polarization DPSK. The DSC-R410. QSFP+ Universal transceiver for 40G operations over duplex multi-mode and single-mode fiber. Interoperable with IEEE 40GbE LR4 and LRL4 for easier migrations from 10G to 40G and to single mode fiber 100G QSFP pluggable transceivers and cables for high density 100G deployments. It is used in RFOF, microcomputer communication, antenna remote control, optical delay line, microwave wireless. Targeting for the next-generation 40Gb/s system based on advanced optical differential phase shift keying (DPSK) demodulation, Optoplex's 40Gb/s Integrated DPSK Receiver (DPSK Rx) demodulates an incoming DPSK optical signal into a pair of differentially (amplitude) modulated RF outputs at data rate. options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider applications. Featured products such as QSFP-SR4-40G modules and.

## Article Content

Dec 30, 2025

40G InGaAs Photodiodes and Optical Receivers

40G InGaAs Photodiode and Optical Receiver Lab Buddy Instrumentation: Put any of Discovery's 40G photodiodes or photoreceivers in our Lab Buddy Instrument!

Mar 23, 2026

Linear AGC Balanced Receiver for 40G/100G Coherent Communications

The DSC-R412 is a linear AGC balanced receiver ideally suited for 40G/100G Coherent applications. In addition to its automatic gain control (AGC), the adjustable gain can be manually controlled. It also

Jan 30, 2026

40G QSFP Optics

Even though higher rates exist like 100G and 400G, 40G applications still abound due to factors such as cost effectiveness and scalability.

Jun 11, 2026

Optical Quintuple Receiver

The Optical Quintuple Receiver is developed for the transmission of broadband signals in medium and large Fiber Optic systems. Ref.4015 converts 1310 + 1330 + 1350 + 1370 + 1550 nm to 2 x V/H and

Apr 24, 2026

A 20-Gb/s optical receiver with integrated photo ...

This paper presents a 20-Gb/s monolithically integrated CMOS optical receiver, integrating a photo detector, a transimpedance amplifier, and a post limiting amplifier on a single chip.

Jun 19, 2026

Arista Optics Modules and Cables

SFP+ Optical interoperability with 10GbE XFP, X2 and XENPAK pluggable form factors  
QSFP+ Universal transceiver for 40G operations over duplex multi-mode and single-mode fiber.

Jan 14, 2026

40G Analog Optical Receiver Module

This Analog Optical Receiver has low noise, long transmission distance, operating frequency up to 40GHz, integrated optical monitoring and alarm function, high dynamic range.

May 15, 2026

#### 40G DPSK DQPSK Balanced Optical Receivers

The DSC-R410 balanced receiver is ideally suited for apps up to 40 Gb such as DPSK, DQPSK and Dual Polarization DPSK. It is available in two configurations: balanced receiver module and plug-and

Jul 15, 2025

#### Leading provider of transceivers for optical communication

Skylane Optics is a leading provider of transceivers for optical communication. We offer an extensive portfolio for the enterprise, access, and

Mar 18, 2026

#### 40G InGaAs Photodiodes and Optical Receivers

Today, our 40 Gb product line has evolved to include PIN+TIA optical receivers, with both linear and limiting amplifiers. These receivers work up to 40 Gb from 1064 nm to 1650 nm for single mode

Jul 27, 2025

#### DP-QPSK 100 Gb/400 Gb Coherent Optical Receiver Lab Buddy

Description: The DSC-R413 is an O/E instrument designed to convert DP-QPSK optical data to differential electrical signals. The R413 offers several user-adjustable characteristics such as RF

May 14, 2026

#### 40G InGaAs Photodiodes and Optical Receivers

40G InGaAs Photodiodes and Optical Receivers - Fiberoptic Modules Discovery Semiconductors introduced its first commercially available 40 Gb Dual-Depletion InGaAs/InP p-i-n Photodiode at the

Feb 08, 2026

#### Photoreceiver

Photoreceiver | The Optilab PR-40G-M is a high speed photo receiver module. Featuring 32 GHz bandwidth and 500V/W conversion gain, this module can be used in digital application as high as 40

Feb 07, 2026

## PT-40G PIN Receivers

PT-40G PIN Receivers The PT-40G is a -10.5 dBm sensitivity, differential-output receiver module for OC-768 transmission system receive applications. It couples a back-illuminated PIN photodiode,

Feb 20, 2026

## QSFP-40G-UNIV Compatible 40GBASE-UNIV QSFP+ 1310nm 2km

Product description Fiber Optic Receivers QSFP-40G-UNIV Compatible 40GBASE-UNIV QSFP+ Optical Transceiver Module (SMF/MMF, 1310nm, 150m/2km, LC, DOM) The QSFP+ module

Nov 04, 2025

## 20 GHz Linear InGaAs Optical Receiver

20 GHz Linear InGaAs Optical Receiver Description: The DSC-R401HG is a linear and versatile PIN + transimpedance amplifier suited for a variety of digital and analog applications. The R401HG offers a

Jun 27, 2025

## Optical Single Receiver

Optical Single Receiver (1550nm) with AGC 4011 Optical Single Receiver Optical Single Receiver (1550nm) with AGC The Optical Single Receiver is developed for the transmission of broadband

Mar 18, 2026

## 25G/40G Linear InGaAs Optical Receiver for 850nm-1550nm with CDR

Discovery's Linear InGaAs Optical Receiver is suited for single mode and multimode applications for 25G/40G from 850nm - 1550nm.

Jun 17, 2026

## Optical Transceivers

GBICS Codable 40GBASE QSFP+ Optical Transceivers. Multi-vendor coding options available for your 40GB Ethernet requirements. Available in Multimode, Single Mode, Extended Range & Long Reach

Apr 04, 2026

## QSFP+ 40G Optical Transceivers,40G Fiber Optic Transceiver

FiberWDM provides a full range of 40G QSFP+ optical transceivers in the range of 100m to 40km.All QSFP+ transceivers have been fully tested.Quality assurance! buy with confidence!

Mar 05, 2026

#### 40G Optical Transceivers and Cables Portfolio | FS

The series of product adopts LC or MTP/MPO connector and operates over Single Mode or Multimode optical fiber. They can be used for connections from 150m up to 40km and are suitable for 40G

Nov 10, 2025

#### Optoplex Corporation

Optoplex Corporation is a leading supplier of cutting-edge photonic components, modules and subsystems for dynamic wavelength management and signal conditioning. The company designs,

Jul 15, 2025

#### 40G Optical Transceivers and Cables Portfolio | FS

40GBASE Optical Transceivers and Cables Portfolio Product Overview The 40G transceiver module portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet

Jun 15, 2026

#### LR4 40G QSFP+ Transceiver 1310nm 10km SMF Fiber Transceiver

40G QSFP+ LR4 1310nm 10km SMF Fiber Transceiver Module Description This product is a transceiver module designed for 2m-10km optical communication applications. The design is compliant to

Dec 06, 2025

#### Optoplex Corporation

Optoplex's 40Gb/s Integrated DPSK Receivers can be configured at different FSR such as 43GHz, 50GHz, 57GHz or other customer specified values. A colorless

Dec 08, 2025

#### QSFP 40G Optical Transceivers | Precision OT

Find 40G optical transceivers that meet your system and network needs, including QSFP+ and a variety of cables enabling 40Gb/s Ethernet speeds.

Sep 28, 2025

#### 25G/40G Limiting InGaAs Optical Receiver 850nm

Discovery's Limiting InGaAs Optical Receiver is suited for single mode and multimode applications for 25G/40G from 850nm - 1550nm.

Oct 29, 2025

40 Gb/s PhotoReceiver Module - Optilab

The Optilab PR-40G-M is a high speed photo receiver module. Featuring 30 GHz bandwidth and 3000 V/W differential conversion gain, this module can be used in

Jun 26, 2026

PowerPoint Presentation

The Optilab PR-40G-M is a high speed photo receiver module. Featuring 30 GHz bandwidth and 3000 V/W differential conversion gain, this module can be used in digital application as high as 40 Gbps.

## Contact Us

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