Safety instructions

General safety instructions

- Before switching on and operating the system, first read this safety advice and the operating instructions.
- Keep the operating instructions in a safe place for later use.
- Installation, commissioning and maintenance of the system may only be carried out by authorised individuals and in accordance with the installation instructions - ensuring that all applicable standards and guidelines are followed.
- Protect the devices from water penetration and humidity, since these can cause lasting damage.
- Should moisture nevertheless enter the system, under no circumstance switch on the devices under these conditions, instead send them for examination to an authorised specialist workshop.
- The system must never be used outside of the technical specifications, since this can destroy it.
- The device must be protected from excesses of heat, dust, humidity and vibration.
- When separating the system from the voltage supply, only ever use the plug to pull out the cable. Never pull directly on the cable itself.
- Lay the connecting cables carefully and check that they are not mechanically stressed, kinked or damaged and that no humidity can penetrate into them.
- In the event of a malfunction, please inform your supplier.
- Maintenance and repairs may only be carried out by authorised specialist personnel.
- The system must be isolated from the power supply before opening the housing.
- The device may only be opened by qualified service personnel. Unauthorised access invalidates any warranty claim.
- Connection cables should always be exchanged through VIDEOR E. Hartig GmbH.
- Use only original spare parts and accessories from VIDEOR E. Hartig GmbH.
- The housing should only be cleaned using a mild domestic cleaning agent. Never use solvents or petrol as these can permanently damage the surface.
- During installation, it is essential to ensure that the seals provided are correctly installed and that they are not displaced during installation. Damaged seals must not be installed and will invalidate any warranty.
- The installer is responsible for the maintenance of the enclosure as per the technical data, e.g. by sealing the cable outlets with silicone.
- Wire end ferrules should be used when shortening the flexible connection cables.
- The devices may only be operated in the temperature range indicated in the data sheet and within the defined air humidity range.

Class A device note

This is a Class A device. This device can cause malfunctions in the living area; in such an event, the operator may need to take appropriate measures to compensate for these.

WEEE (Waste Electronical & Electronic Equipment)

Correct Disposal of This Product (Applicable in the European Union and other European countries with separate collection systems).

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.
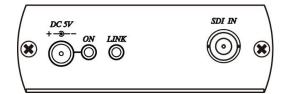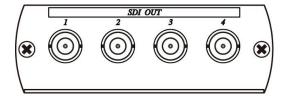
Package Contents

- Distributor HD-SDI
- Manual
- Power supply
- Mounting accessories

Key Features

- HD-SDI re-clocking 1 in 4 out distribution amplifier
- Provides automatic input cable re-clocking and equalization up to 400 meters.
- Support SDI (SMPTE 259M), HD-SDI (SMPTE 292M), and 3G-SDI (SMPTE 424M).
- HD signal distance up to 400 meters.
- Perfect for long range HD-SDI distribution application.

Panel View

LED Indication:

GREEN	
ON	Power ON
OFF	Power OFF

BLUE	
ON	SDI signal input
OFF	No SDI signal input

Installation View

Coaxial 1.5Gbps 200 m (max.)

Coaxial 1.5Gbps 200 m (max.)

HAM-4DC1004M0A

Distributor HD-SDI

Installation Guide

Recommend Cable

To send HD signal, the coax cable bandwidth must be greater than 1.5G. For sending Full HD signal, the coax cable bandwidth must be greater than 3G.

As a link cable it is recommend to use high quality 75Ω coaxial cable and BNC connector, low quality coaxial cable may cause signal loss and affect transmission distance and reliability.

Working Distance

Max. distance via high quality 75Ω coaxial cable (Belden 1505A,1694A RG6U Testing)	From SDI source	To SDI monitor
SD resolution (270Mbps: 480i,576i)	400 m	400 m
HD resolution (1.45Gbps: 720p,1080i,1080p@24/25/30Hz)	200 m	200 m
Full HD resolution (2.97Gbps: 1080p@50/60Hz)	100 m	100 m

Max. distance via high quality 75Ω coaxial cable (Belden 1505A RG59 Testing)	From SDI source	To SDI monitor
SD resolution (270Mbps: 480i,576i)	300 m	300 m
HD resolution (1.45Gbps: 720p,1080i,1080p@24/25/30Hz)	150 m	150 m
Full HD resolution (2.97Gbps: 1080p@50/60Hz)	80 m	80 m