

# Recorders Systems & Ports

Overview on the ports and transmission protocols that are used for data transmission with external devices and applications.

English

## Abstract

A certain port always is required besides the IP address for data transmission between arbitrary devices in the Ethernet. The port neither may be blocked on the devices nor on the intermediary network elements (router, switch, fire wall).

The relevant port always depends on the device type and on the transmission protocol that is used by the execution applications.

This document contains an overview on the transmission protocols and ports relevant for Dallmeier recorders.

## Validity

This document is valid for the following stand-alone recording systems of the fifth generation.

DMS 80	DLS 4	DLS 4 Bank	VNS 16
DMS 160	DLS 8	DMS 80 Bank	VideoNetBox Series
DMS 240	DLS 8 Plus	DMS 160 Bank	DMX Series
DMS 240 HSR	DLS 16	DMS 240 Bank	
DMS 240 IPS	DLS 16 Plus	DMS 240 HSR Bank	

DMS 2400  
DLS 1600  
IPS 2400  
VideoNetBox II  
SMAVIA Recording Server

## SMAVIA Viewing Client

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
Live UDP	4.050 - 4.100	18.000 - 18.200	UDP	audio; video	local to remote
Live UDP	30.000	any	TCP	data	bidirectional
Live TCP (NAT)	554	any	TCP for RSTP	audio	local to remote
Live TCP (NAT)	5.050	any	TCP	audio	local to remote
Live TCP (NAT)	30.000	any	TCP	data	bidirectional
Playback	30.000	any	TCP	data	bidirectional
Playback	30.000	any	TCP	audio; video	local to remote
PRemote	30.001	any	TCP	video	local to remote
PRemote	30.001	any	TCP	data	bidirectional
PRemote	30.002	any	TCP	video	local to remote
PRemote	30.002	any	TCP	data	bidirectional
PRemote	30.004	any	TCP	video	local to remote
PRemote	30.004	any	TCP	data	bidirectional
PRemote	1.729	any	TCP	data	bidirectional
PRemote	5.000	any	UDP	audio	bidirectional
PRemote	5.001	any	UDP	video	bidirectional

## SMAVIA Viewing Client (SMAVIA Recording Server Windows)

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
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Live UDP	30.000	any	TCP	data	bidirectional
Live TCP (NAT)	554	any	TCP for RSTP	audio	local to remote
Live TCP (NAT)	5.050	any	TCP	audio	local to remote
Live TCP (NAT)	30.000	any	TCP	data	bidirectional
Playback	30.000	any	TCP	data	bidirectional
Playback	30.000	any	TCP	audio; video	local to remote

## RTSP Server

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
RTSP	554	554	TCP / UDP	data	bidirectional
RTSP	554	554	TCP / UDP	audio; video	local to remote

## Dallmeier IP Kamera

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
Transmission	any	30.000	TCP	data	bidirectional
Transmission	any	30.000	TCP	audio; video	remote to local

## RTSP Kamera

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
Transmission	554	554	RTSP	data	bidirectional
Transmission	554	554	RTSP	audio; video	remote to local
Transmission	80	80	HTTP	data	bidirectional
Transmission	80	80	HTTP	audio; video	remote to local

## DMVC App

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
Transmission	3.377	3.377	TCP	data	bidirectional
Transmission	3.377	3.377	TCP	audio;video	local to remote

## PGuard

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
Message	any	30.000	TCP	data	local to remote I

## NetConfig

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
NetConfig 2 / 3	5.900	any	TCP	data	local to remote
NetConfig 2 / 3	30.000	any	TCP	data	bidirectional

## Browser

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
Browser	80	80	TCP	data	bidirectional
Browser	80	80	TCP	video	local to remote

## Active X

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
ActiveX w.o. NAT	34.000 - 34.100	18.000 - 18.200	UDP	audio; video	local to remote
ActiveX w.o. NAT	30.000	any	TCP	data	bidirectional
ActiveX w. NAT	30.000	any	TCP	data	bidirectional
ActiveX w. NAT	30.000	any	TCP	audio; video	local to remote

## Server

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
Server SNMP	161	161	TCP / UDP	data	bidirectional
Server FTP	any	21	TCP	video	local to remote
Server Time	123	123	TCP / UDP	data	bidirectional

## PService

Function	Local Port	Remote Port	Protocol	Usage	Direction of data-flow
PService	34.000 - 34.100	18.000 - 18.200	UDP	audio; video	local to remote
Broadcast Scan	30304	any	UDP	data	local to remote
Broadcast Scan	any	30303	UDP	data	remote to local



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