

Recording Systems and Ports

Overview of ports and protocols used by recording systems with SMAVIA Recording Server (version 8.x.x / 9.x.x) for data exchange with external devices and applications.

SMAVIA Viewing Client / API / API 3

Function	Local Port	Remote Port	Protocol	Usage	Data Flow Direction
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	Data Flow Direction
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

RTSP Server

Function	Local Port	Remote Port	Protocol	Usage	Data Flow Direction
RTSP	554	554	TCP / UDP	data	bidirectional
RTSP	554	554	TCP / UDP	audio, video	local to remote

Dallmeier Network Camera

Function	Local Port	Remote Port	Protocol	Usage	Data Flow Direction
Transmission	any	30.000	TCP	data	bidirectional
Transmission	any	30.000	TCP	audio, video	remote to local

RTSP Camera

Function	Local Port	Remote Port	Protocol	Usage	Data Flow Direction
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

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DMVC App

Function	Local Port	Remote Port	Protocol	Usage	Data Flow Direction
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	Data Flow Direction
Message	any	30.000	TCP	data	local to remote

Net Config

Function	Local Port	Remote Port	Protocol	Usage	Data Flow Direction
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	Data Flow Direction
Browser	80	80	TCP	data	bidirectional
Browser	80	80	TCP	video	local to remote

Active X

Function	Local Port	Remote Port	Protocol	Usage	Data Flow Direction
ActiveX without NAT	34.000 - 34.100	18.000 - 18.200	UDP	audio, video	local to remote
ActiveX without. NAT	30.000	any	TCP	data	bidirectional
ActiveX with NAT	30.000	any	TCP	data	bidirectional
ActiveX with NAT	30.000	any	TCP	audio, video	local to remote

Server

Function	Local Port	Remote Port	Protocol	Usage	Data Flow Direction
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	Data Flow Direction
PService	34.000 - 34.100	18.000 - 18.200	UDP	audio, video	local to remote
Broadcast Scan	30.304	any	UDP	data	local to remote
Broadcast Scan	any	30303	UDP	data	remote to local

