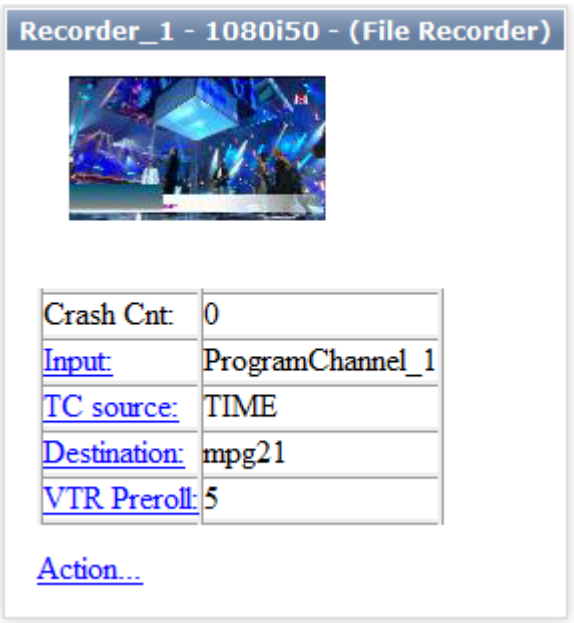
File Recorder Service

File Recorder is the service responsible for recording clips in the manual or automated mode, receiving and executing actions. Manual control of the recording service is implemented via rec-lists in the AirManager application. Automated control is possible through the Actions Mechanism.

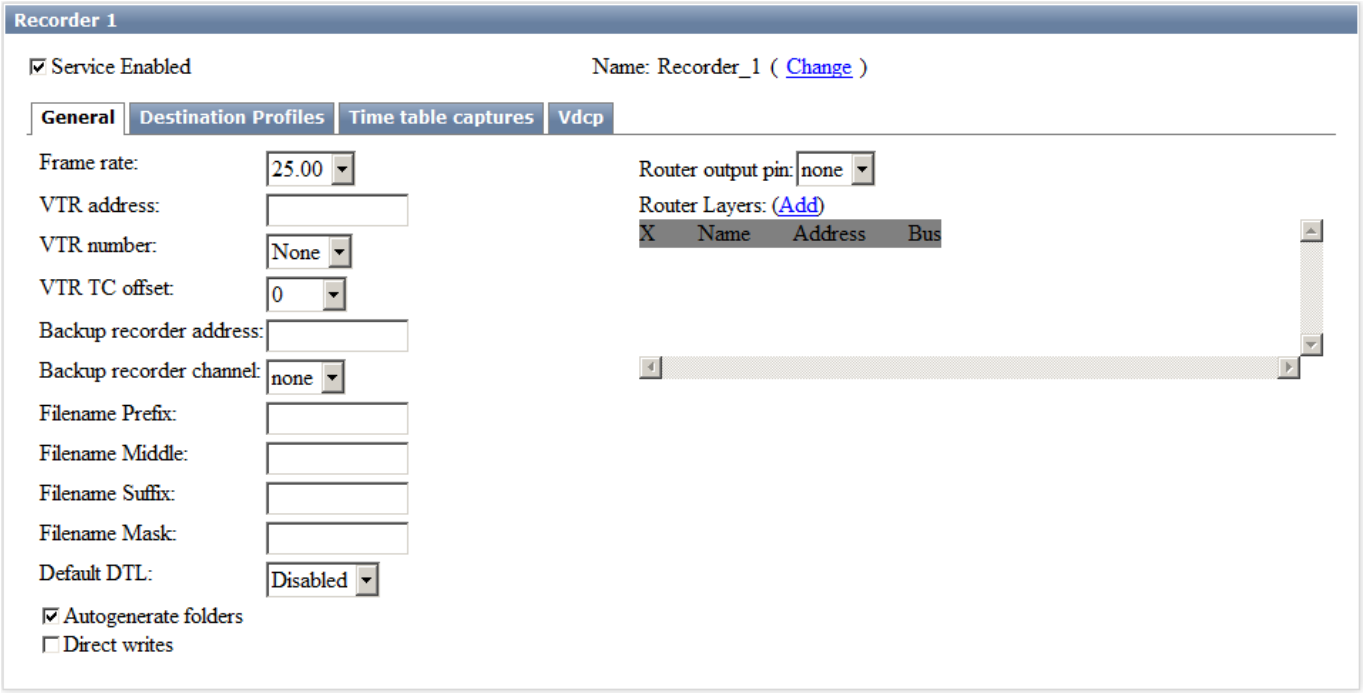
Status Menu Settings



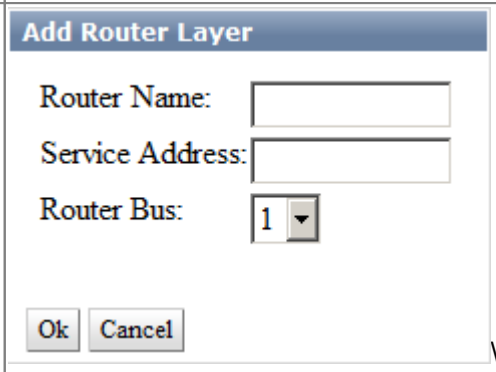
Manage Menu Settings

Recording service basic settings are implemented in the Manage menu: `Administrator Control Panel→Manage→Recorders→Recorder_N`.

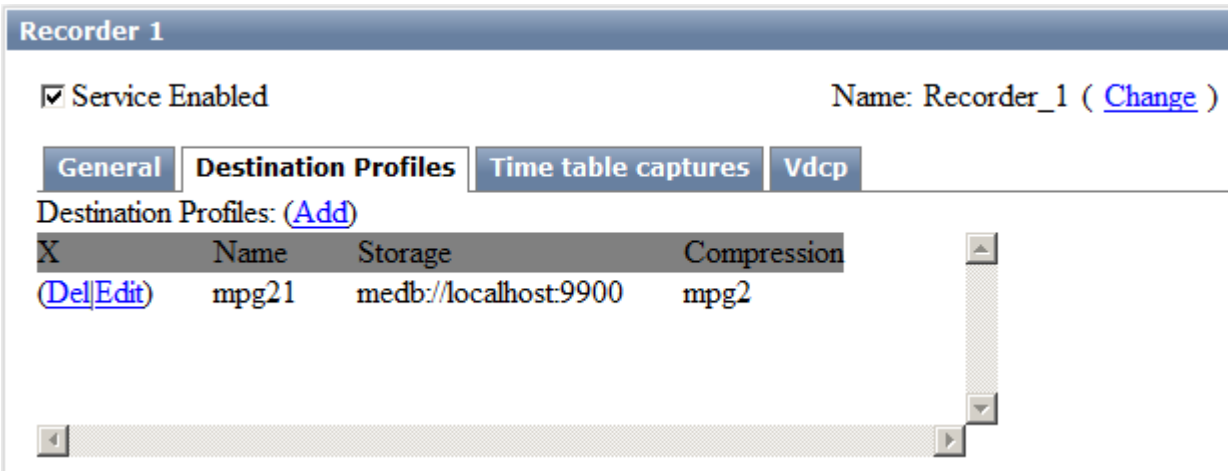
General Tab



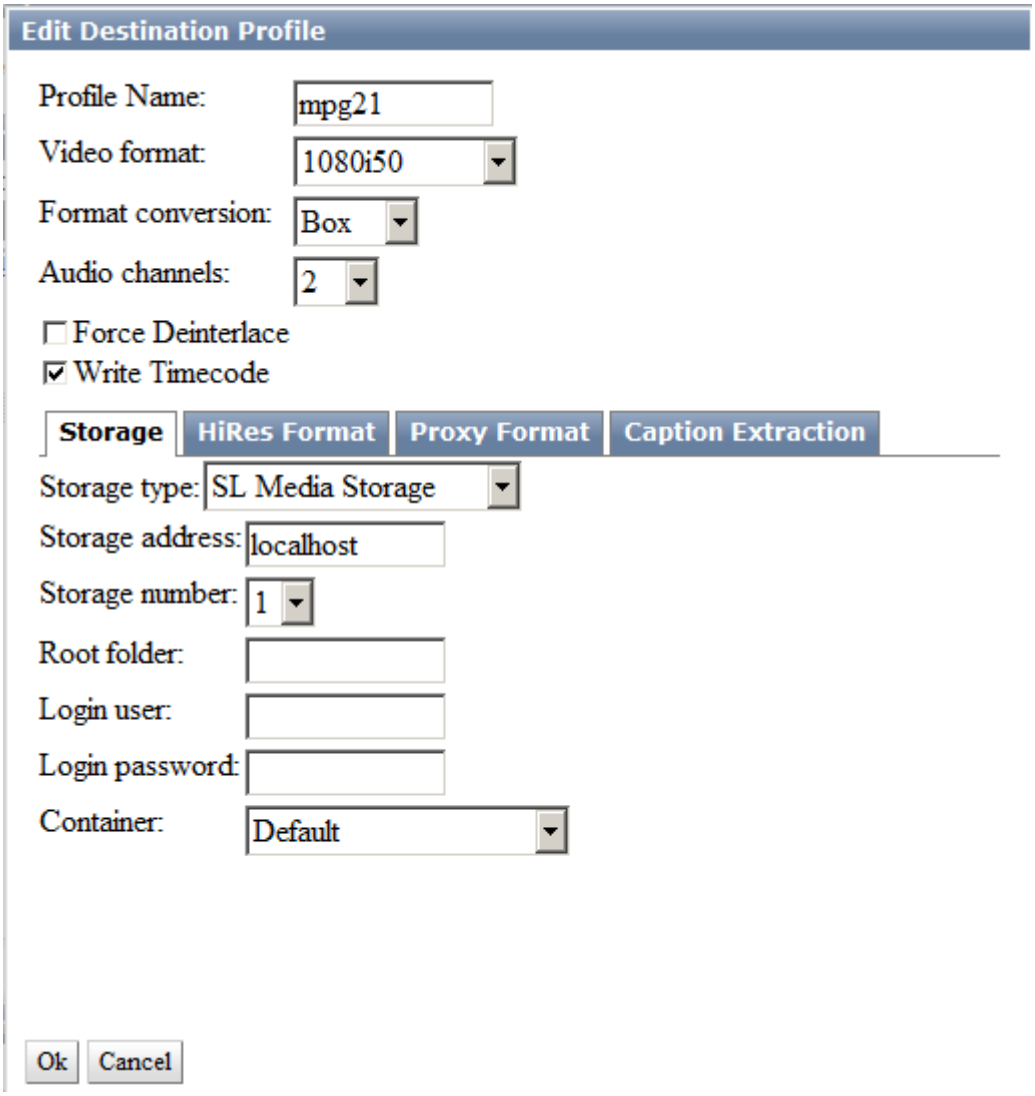
Parameter	Value
Frame rate	Select the recording frame rate. The available recording formats in the Destination Profiles settings depend on this parameter. Available options (c/c): • **25.00, 29.97, 30.00, 50.00, 59.94 or 60.00**
VTR address	The field specifies the IP address of the VTR service. Used when a tape recorder needs to be controlled.
VTR number	The field specifies the sequence number of the VTR service on the server. Used when a tape recorder needs to be controlled.
VTR TC offset	Sets the timecode offset compensation in frames. Possible values are from +125 to -125 frames.
Backup recorder address	The field specifies the IP address of the backup Recorder. If this field is filled, then the recorder will send commands to this address to start recording.
Backup recorder channel	The field specifies the sequence number of the backup Recorder on the server. If this field is filled, then the recorder will send commands to start recording.
Filename Prefix	Specifies the text to be added when auto-generating the entry name: • **prefix**_YY.MM.DD_middle_HH:MM:SS:FF_suffix. The value is not used if the name is specified manually by the user. Example: • prefix_22.09.19_middle_16.34.25.12_suffix.
Filename Middle	
Filename Suffix	
Filename Mask	
Default DTL	
Autogenerate folders	
Direct writes	
Router output pin	none, 1-128

Parameter	Value
Router Layers	 \\ • Router name - • Service Address - • Router Bus -

Destination Profiles Tab

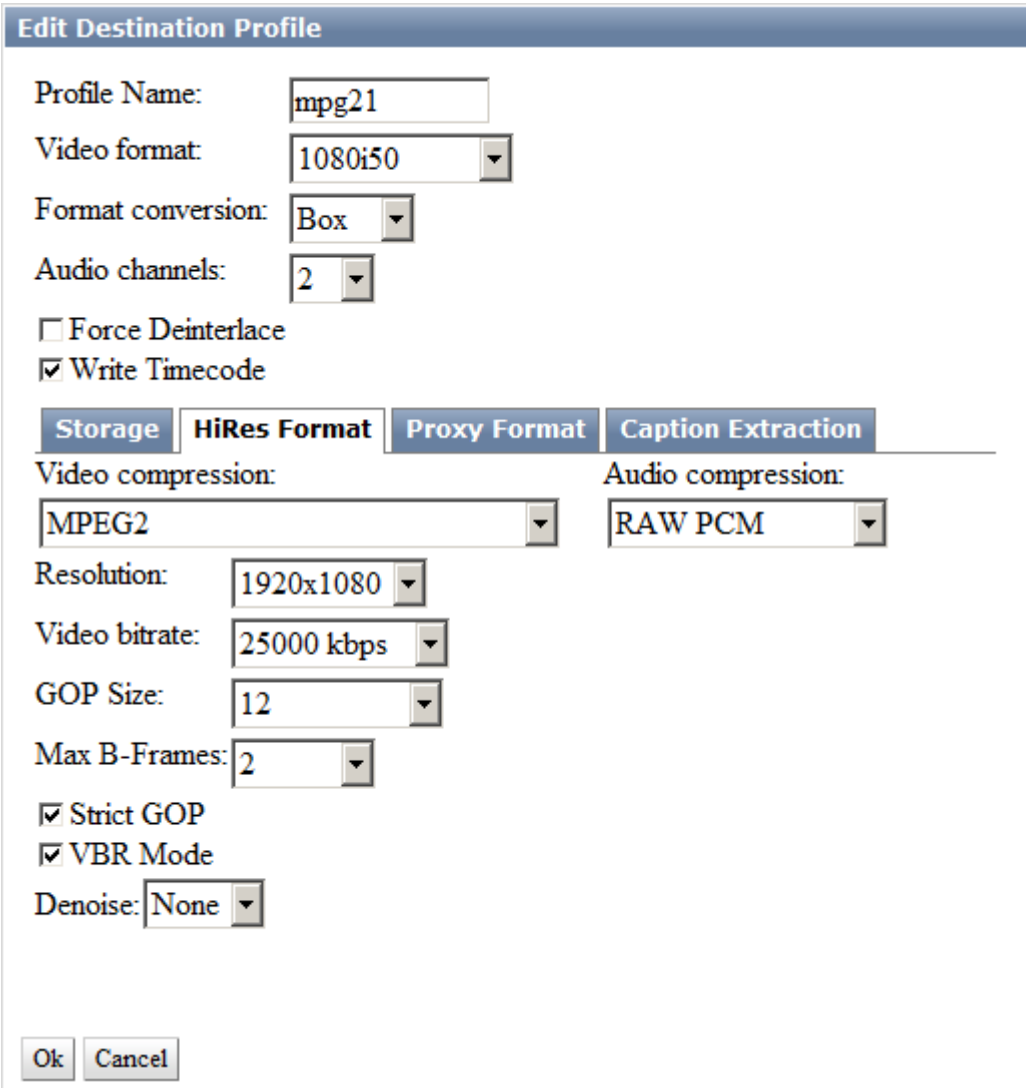


Parameter	Value
Add	
Del	
Edit	



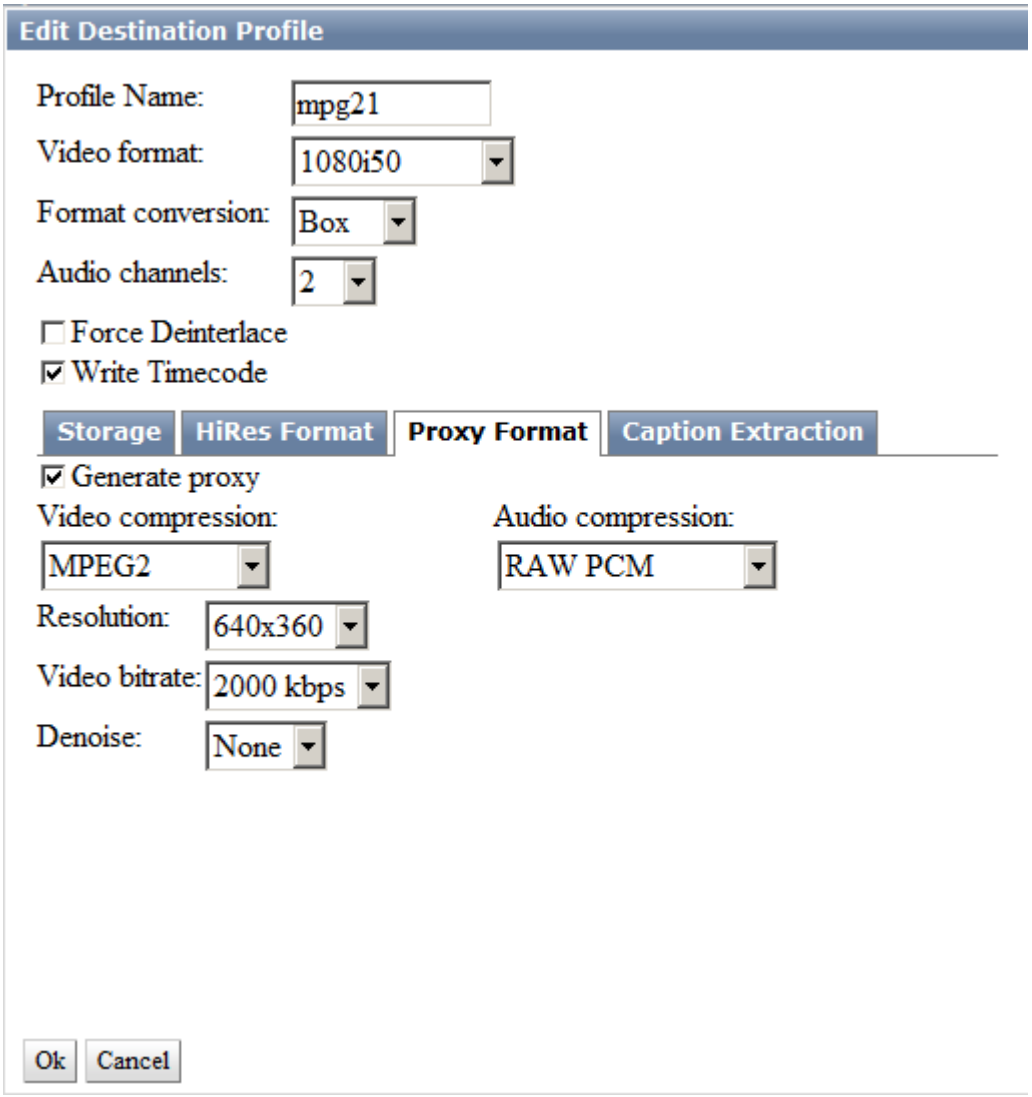
Parameter	**Value**
Profile Name	
Video format	
Format conversion	
Audio channels	
Force Deinterlace	
Write Timecode	
Storage type	Select the type of connected storage to record to: File Folder, SL Media Storage, Avid MXF/OP-Atom, Avid Unity/Interplay
Storage type=File Folder	
Disk Path	The local or network path to the Windows folder
Root folder	
Container	
Storage type=SL Media Storage	
Storage Address	The IP-address of the server with the configured media database. The default value (empty) is “localhost”.
Storage number	The database service sequence number at the server with the specified IP address.
Root folder	
Login User	A username for access to the media database. The default value (empty) is “guest”.
Login password	User password to access the database.

Parameter	Value
Container	
Storage type=Avid MXF/OP-Atom	
Disk Path	The local or network path to the Windows folder
Storage type=Avid Unity/Interplay	
Disk path	
Interplay url	
Root folder	
Login user	
Login password	

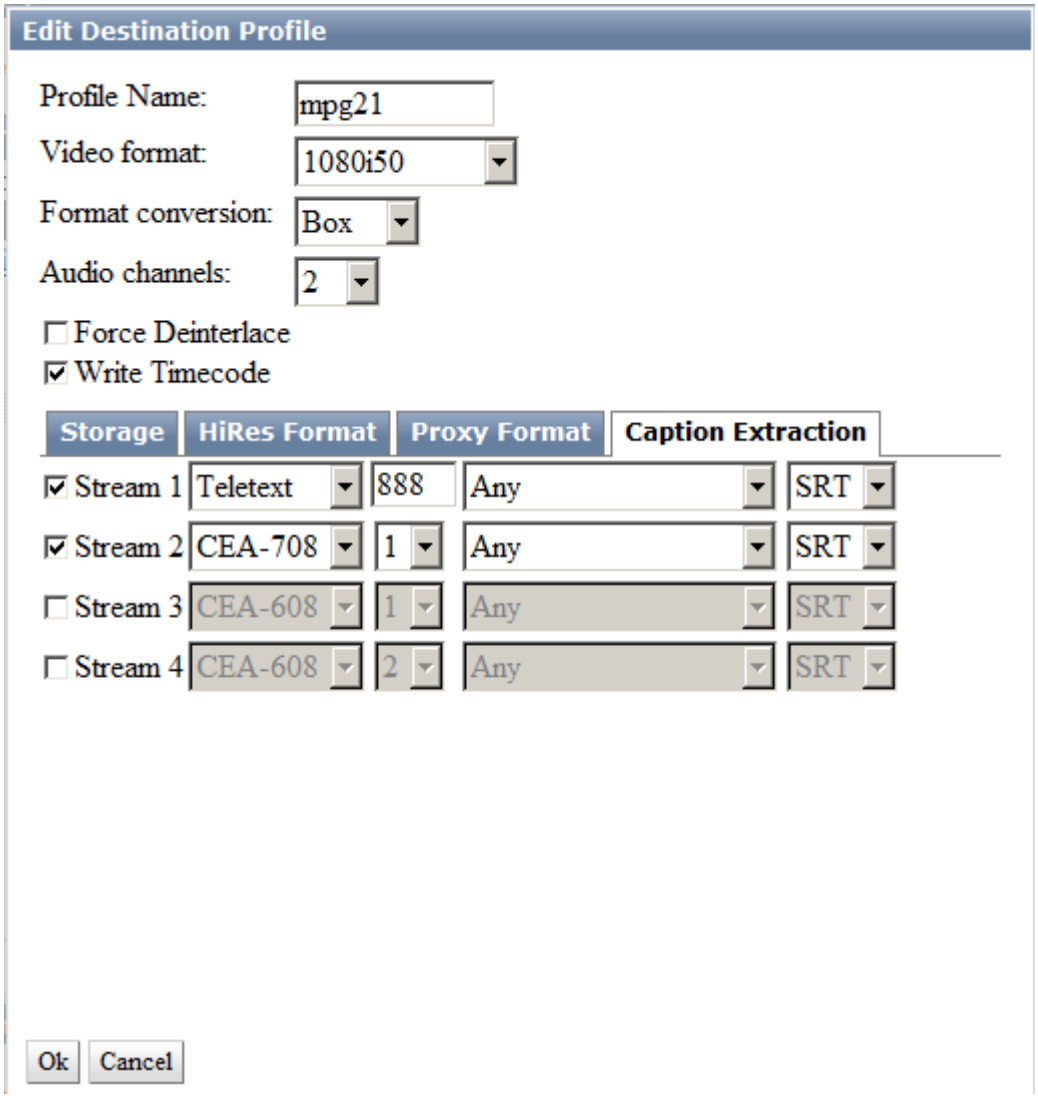


Parameter	Value
Video compression	
Audio compression	
Denoise	none, 100,200,300,400,500
Encoder	Default – using CPU resources while encoding, NVENC – using GPU resources of NVIDIA boards (pascal). NVENC is available only for h264 and hevc encoding.
Additional settings for MPEG codecs	
Resolution	
Video bitrate	

Parameter	Value
GOP Size	
Max B-Frames	
Strict GOP	
VBR Mode	

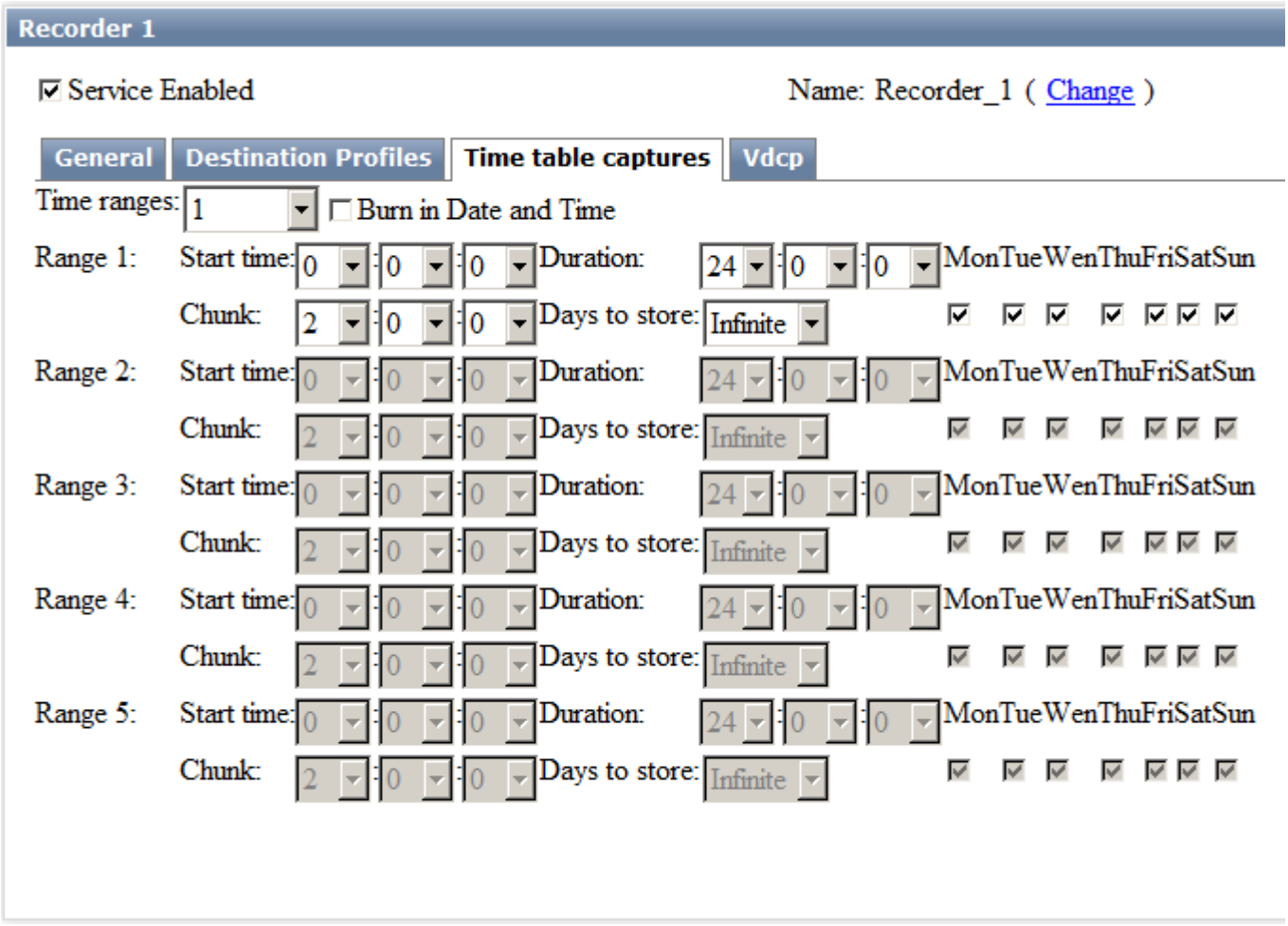


Parameter	Value
Generate proxy	
Video compression	
Audio compression	
Resolution	
Video bitrate	
Denoise	



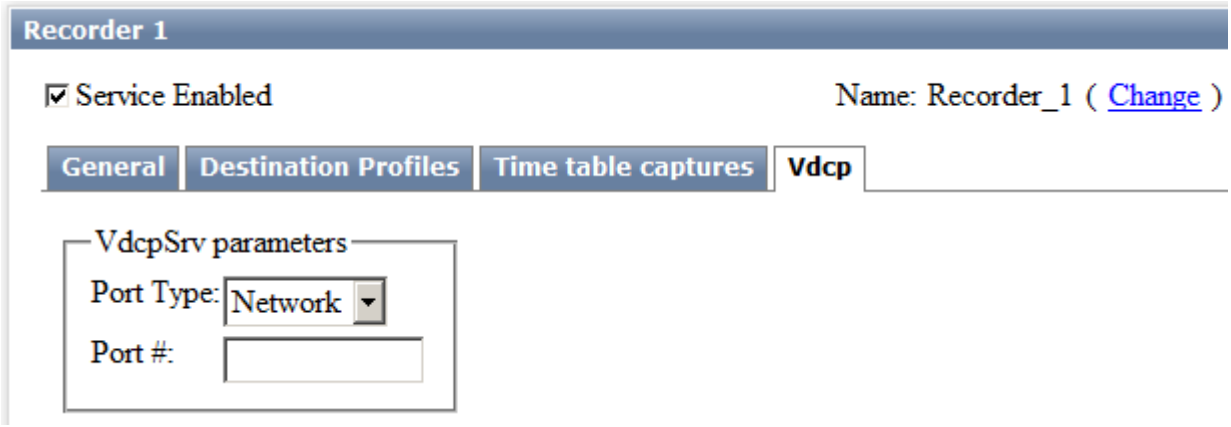
Parameter	Value
Stream	
Type	
Number	
Language	
Out format	

Time table captures Tab



Parameter	**Value**
Time ranges	
Burn in Date and Time	
Settings for each of 5 ranges (Range 1-5)	
Start time	HH:MM:SS format
Chunk	HH:MM:SS format
Duration	HH:MM:SS format
Days to store	Infinite, 1-360
Mon	
Tue	
Wen	
Thu	
Fri	
Sat	
Sun	

VDCP Tab



Settings for connecting the automation server by the VDCP protocol for external control of the recorder.

Parameter	Description
Port Type	Network – management is implemented via Ethernet, COM1-COM16 – via a COM port.
Port #	Network port used for input connections from a VDCP automation server.