

Media Converter V2.0

User Manual

www.smartec-security.eu

Table of Contents

STEP 1. SELECT FUNCTION	4
CONVERT RAW FILE TO AVI FILE	4
CONVERT RAW FILE TO MULTIPLE JPG FILE	
CONVERT TO RAW FILE	4
CONVERT MP4 FILE TO JPG FILE	
STEP2. SELECT SOURCE	6
CONVERT SINGLE FILE	6
CONVERT ALL FILES IN SELECTED FOLDER	7
STEP3 CHOOSE DESTINATION FOLDER	8
STEP 4. SELECT A PERIOD OF TIME	9
STEP 4. SELECT A PERIOD OF TIME STEP 5. SELECT PROCESS	9 10
STEP 4. SELECT A PERIOD OF TIME STEP 5. SELECT PROCESS	9
STEP 4. SELECT A PERIOD OF TIME STEP 5. SELECT PROCESS Select Add OSD Use Channel ID	9 10
STEP 4. SELECT A PERIOD OF TIME STEP 5. SELECT PROCESS Select Add OSD Use Channel ID Add User-Defined Text	9 10 10 10 10 10
STEP 4. SELECT A PERIOD OF TIME STEP 5. SELECT PROCESS Select Add OSD Use Channel ID Add User-Defined Text Add Date Time	9 10 10 10 10 10 10 10 10
STEP 4. SELECT A PERIOD OF TIME STEP 5. SELECT PROCESS Select Add OSD Use Channel ID Add User-Defined Text Add Date Time STEP 6. START CONVERT	9

Table of Figures

FIGURE 1 FORMAT CONVERT	5
FIGURE 2 BROWSE SINGLE RAW FILE	6
FIGURE 3 BROWSE SINGLE MP4 FILE	6
FIGURE 4 BROWSE A FOLDER TO CONVERT	7
FIGURE 5 DESTINATION FOLDER	8
FIGURE 6 SPECIFY BEGIN TIME AND END TIME	9
FIGURE 7 OVERLAY MECHANISM	11
FIGURE 8 THE RESULT OF OVERLAY	12
FIGURE 9 CONVERT RESULT	14

Step 1. Select Function

There are four formats you can use media converter to convert file.

Convert RAW file to AVI file

If you want to convert RAW file to AVI file, select first radio button.

Convert RAW file to Multiple JPG file

If you want to convert RAW file to multiple JPG file, select second radio button.

Convert to RAW file

If you want to convert to RAW file, select third radio button.

Convert MP4 file to JPG file

If you want to convert MP4 file to JPG file, select second radio button.

MediaConverter v2.0.20	
Format Convert	
Convert RAW file to AVI file Convert RAW file to Multiple JPG file	
C Convert to RAW file C Convert MP4 file to JPG file	
Source File / Files	
Convert a File CHANNEL3_20081021190225.raw Br	owse
C Convert a Folder	owse
Destination Folder	
Current Folder Select a destination	folder
D:\Recordings\Channel3 Save As	
Select a period of time	
File Begin Time 2008/10/21 19:02:21 File End Time 2008/10/21 19:02:53	
Specify Begin Time 19 : 02 : 21 Specify End Time 19 : 02 : 53	
✓ Use Channel ID (eg: Channel3) ✓ User-Defined Text Traffic Circle (max 20 channel3) ✓ Add Date Time • YYYY/MM/DD HH:MM:SS.MMM • DD/MM/YYYY HH:MM:SS.MMM • MM/DD/YYYY HH:MM/ • MM/DD/YYYY HH:MM:SS.MMM • MM/DD/YYYY HH:MM:MM • MM/DD/YYYY HH:MM/H • MM/DD/YYYY HH:MM/H • MM/H • M/H	aracters) 4M
Convert Stop Convert	
Status Converted L Frame 168	
Converted File 1 Converted P Frame 668	
Converting Convert Source File : CHANNEL3_20081021190225.raw I Frame Count : 168 P Frame Count : 668 Audio Frame Count : 818 Convert Result : D:\Recordings\Channel3\CHANNEL3_20081021190225_190221_190253.avi	

Figure 1 Format Convert

Step2. Select Source

Convert single file

Browse a single file and select it.

Open					? 🗙
Look in:	🔁 H264		• • •) 💣 🎫	
My Recent Documents Desktop	1264.raw	do.RAW			
My Documents.	les of typ	e will depend or	n function	selecte	d in step
My Computer			/		
	File name:	H264.raw		•	Open
My Network Places	Files of type:	RAW Files (*.raw)		-	Cancel

Figure 2 Browse single RAW file

Open				? 🗙
Look in:	D MP4	•	• 🖭 📩 🗗	
My Recent Documents Desktop My Documents	Camera-1_0000	0002_0_720x480_128_2.mp4 0002_1_352x240_56_1.mp4 0002_2_160x112_384_4.mp4 0008_0_720x480_1_15.mp4 0008_0_720x480_2.5_10.mp4		
My Network Places	File name: Files of type:	Camera-1_00000002_0_720x480 MP4 Files(*.mp4) Open as read-only	128_2.mp4 💌	Open Cancel

Figure 3 Browse single MP4 file

Convert all files in selected folder



Figure 4 Browse a folder to convert

Step3 Choose Destination Folder

The default save folder will be same as the original file. If you need to save the file into another folder, please click "**Save as**" button to select a destination folder.

🖻 MediaConverter v2.0.20 👘 📼 💌
-Format Convert
Convert RAW file to AVI file Convert RAW file to Multiple JPG file
C Convert to RAW file C Convert MP4 file to JPG file
Source File / Files
Convert a File CHANNEL3_20081021190225.raw Browse
C Convert a Folder Browse
Destination Folder
Current Folder Select a destination folder
D:\Recordings\Channel3 Save As
- Select a period of time
File Begin Time 2008/10/21 19:02:21 File End Time 2008/10/21 19:02:53
Specify Begin Time 19 : 02 : 21 Specify End Time 19 : 02 : 53
Process Image: Add OSD Overlay(This action will take more CPU and time to finish the task) Image: Use Channel ID (eg: Channel3) Image: User-Defined Text Traffic Circle Image: Wight of the task Image: Wight of task
Convert Stop Convert
Status Converted I Frame 168
Converting
Convert Source File : CHANNEL3_20081021190225.raw I Frame Count : 168 P Frame Count : 668 Audio Frame Count : 818 Convert Result : D:\Recordings\Channel3\CHANNEL3_20081021190225_190221_190253.avi

Figure 5 Destination Folder

Step 4. Select a period of time

After you browse a file, the system will automatically search the begin time and end time of the selected file.

Please manually set the specify begin time and end time as you need.

🖻 MediaConverter v2.0.20	×
Format Convert	
Convert RAW file to AVI file Convert RAW file to Multiple JPG file	
Convert to RAW file Convert MP4 file to JPG file	
Source File / Files	
Convert a File CHANNEL3_20081021190225.raw Browse	
C Convert a Folder Browse	
Destination Folder	
Current Folder Select a destination folder	
D:\Recordings\Channel3 Save As	
Select a period of time	
File Begin Time 2008/10/21 19:02:21 File End Time 2008/10/21 19:02:53	
Specify Begin Time 19 : 02 : 21 Specify End Time 19 : 02 : 53	
✓ Add OSD Overlay(This action will take more CPU and time to finish the task) ✓ Use Channel ID (eg: Channel3) ✓ User-Defined Text Traffic Circle ✓ Add Date Time • YYYY/MM/DD HH:MM:SS.MMM • DD/MM/YYYY HH:MM:SS.MMM • MM/DD/YYYY HH:MM:SS.MMM	s)
Convert Stop Convert	
Status Converted L Frame 168	
Converted File	
Converting Convert Source File : CHANNEL3 20081021190225.raw	
I Frame Count : 168	
Audio Frame Count : 818	
Convert Result : D: \Recordings \Channel3 \CHANNEL3_2008 1021190225_190221_190253.avi	

Figure 6 Specify Begin time and end time

Step 5. Select Process

The process mailly perform overlay mechanism, included channel ID, user-defined text and date time.

Select Add OSD

If you want to add OSD on video frames, select the check box "Add OSD Overlay".

Notice: This action will take more CPU and time to finish the task.

Use Channel ID

If you need to know the coverted file come from, you can add Channel ID on the overlay of playback file. Click the "Use Channel ID" box to add into. **Notice:** we do not recommend to change your file name after you recorded from network recorder.

Add User-Defined Text

If need to add text, please select the "User-Defined Text" check box. And fill in the text you need in the space e.g. Traffic Accident **Notice:** The maximum characters you can fill in the space is 20.

Add Date Time

Select the "Add Date Time" check box to add date time into the overlay of file. There are three time format you can choose.

- 1. Date Time format 1: YYYY/MM/DD HH:MM:SS:MMM (eg: 2008-12-20 13:20:47:123).
- 2. Date Time format 2: MM/DD/YYYY HH:MM:SS:MMM (eg: 12-20-2008 13:20:47:123).
- 3. Date Time format 3: DD/MM/YYYY HH:MM:SS:MMM (eg: 20-12-2008 13:20:47:123).

🖻 MediaConverter v2.0.20 📃 📼 💌
Format Convert Format Convert RAW file to AVI file Convert RAW file to Multiple JPG file
C Convert to RAW file C Convert MP4 file to JPG file
Source File / Files
Convert a File CHANNEL3_20081021190225.raw Browse
C Convert a Folder Browse
Destination Folder Select a destination folder
D:\Recordings\Channel3 Save As
Select a period of time
File Begin Time 2008/10/21 19:02:21 File End Time 2008/10/21 19:02:53
Specify Begin Time 19 : 02 : 21 Specify End Time 19 : 02 : 53
 ✓ Use Channel ID (eg: Channel3) ✓ User-Defined Text Traffic Circle (max 20 characters) ✓ Add Date Time
Convert Stop Convert
Status Converted I Frame 168
Converted File 1 Converted P Frame 668
Converting Convert Source File : CHANNEL3_20081021190225.raw I Frame Count : 168 P Frame Count : 668 Audio Frame Count : 818 Convert Result : D:\Recordings\Channel3\CHANNEL3_20081021190225_190221_190253.avi

Figure 7 Overlay Mechanism



Figure 8 The Result of overlay

Step 6. Start Convert

Start convert when source and process are set

Click "Convert" button to start convert file process. If you need to interrupt convert process, please click the stop button.

The process will also show the result and some information about video.

- 1. Show how many files are converted.
- 2. Show how many I Frames converted when convert RAW file.
- 3. Show how many P Frames converted when convert RAW file.
- 4. Show how many Audio Frame converted when convert RAW file
- 5. Information about convert result.

MediaConverter v2.0.20	- • X
Format Convert	
Convert RAW file to AVI file Convert RAW file to Multiple JPG file	
C Convert to RAW file C Convert MP4 file to JPG file	
Source File / Files	
Convert a File CHANNEL3_20081021190225.raw	Browse
C Convert a Folder	Browse
Destination Folder	
Current Folder Select a destination	ation folder
D:\Recordings\Channel3 Save	As
Select a period of time	
File Begin Time 2008/10/21 19:02:21 File End Time 2008/10/21 19:02:5	3
Specify Begin Time 19 : 02 : 21 Specify End Time 19 : 02 : 1	53
✓ Use Channel ID (eg: Channel3) ✓ User-Defined Text ✓ Add Date Time ✓ MM/DD/YYYY HH:MM:SS.MMM C MM/DD/YYYY HH:MM:SS.MMM	20 characters) SS.MMM
Convert Stop Convert	
-Status	
Converted I Frame 168	
Converted File 1 Converted P Frame 668	
Converting	
Convert Source File : CHANNEL3_20081021190225.raw I Frame Count : 168 P Frame Count : 668 Audio Frame Count : 818 Convert Result : D:\Recordings\Channel3\CHANNEL3_20081021190225_190221_190253.av	ń

Figure 9 Convert Result