Ways of filling black stripes at display of video files with 4:3 aspect ratio and 16:9 output signal.

**General information** 

"Fill type" property

Removing black stripes

Additional ways of TrimEditor opening

## **General information**

Our software provides with several ways to display video files with aspect ratio of 4: 3 and output signal of 16: 9.

Some ways include adding black stripes to image on sides of the main image.

The technology described below allows you to fill black stripes in different ways including an effect of image blurring.

An example of applying blur effect is <u>here</u>.

First create a new property for SLIni files related to video clips. More information about work with SLIni files can be found in our <u>documentation</u> in the "Parameters of clip playback" section.

## "Fill type" property

Run the SLIniExtensionsEditor application (C:\Program Files\ForwardT Software\Tools\SLIniExtensionsEditor\SLIniExtensionsEditor.exe).

st of additional proper	ues	
Name	Туре	Add
MovieTitlesStart	Timecode	Edit
		Delete
		Delete
Add addit	onal property	×
Add addit Select ad	onal property litional property type:	×
Add addit Select ad Enumera	onal property litional property type: iion ~	×
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Click "Add...". Then select "Enumeration" additional property type in the appeared window.

dd "Enumeration" additional pr	operty	×
Name in SLIni file (only Latin lette	ers, digits and without gaps)	_
FillType		
Default		
Name:		
Description:		
		dd
	E	dit

Name in SLIni file must be FillType.

Add "Fr	numeration" additional nr	onerty	×
	numeration additional pr	openy	~
Nam	e in SLIni file (only Latin lette	rs, digits and without gaps)	
FillT	Гуре		
Defa	ault		
	Name:	Fill type	
	Description:	Black area fill type	
			Add

Specify other fields values in "Default" area: "Name" - Fill type, "Description" - Black area fill type.

FillType			
i in pe			
Default			
	Name:	Fill type	
	Description:	Black area fill type	
	Add list item	×	Add
	Black		Edit

Click "Add..." and specify ways of black stripes filling: Black, Scale, Blur, Shadow.

Add "Enumeration" additional pro	operty	×
Name in SLIni file (only Latin lette FillType	rs, digits and without gaps)	
Default Name: Description:	Fill type Black area fill type Black Scale Blur Shadow	Add Edit Delete
		Set selection

Important: types of black area filling must be ordered in a such way strictly!

Click "OK" and exit the application.

📑 🛃 Trim Editor	- Clip_TSF1.mp4; FFMpeg; Video: 64	0x360x25.000; Audio: 2 channel(s	× 0.5
	Movie properties	14 93 • • • • • • • • • • • • • • • • • • •	
	Information Edit SLIni Additional		11:25:19.15 00:00:01.05
	Additional properties		
$\rightarrow$	Age category:	-	Intra
	Program name:		11:25:19.05 00:00:00.20
	Property	Value	
	Crop Black Stripes	50	
	Start of titles	00:44:46.06	
	Fill type	Black 🗸	11:25:18.20
5.30		Black	00:00:00.10
5.30		Blur	1.0
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5.30			
Duration	Fill type		
Clip: 00:	Black area fill type		lds 🗸 🗸
Total: 00:			Russian V
OnAir time:			
Reset	Reset	Cancel Apply	: SIZE
Consider the			ames V

New "Fill type" additional property is added.

## **Removing black stripes**

Form users:

"...We followed the instruction strictly and received a 4: 3 picture with narrow black stripes combined with blurred areas on output (on all files that we used). Inform us please on how to remove black stripes so that blur effect starts as in your example given in the instruction?..."



In this case add another new property for the SLIni file to extend blur effect and remove black stripes.

For this run the SLIniExtensionsEditor application (C:\Program Files\ForwardT Software\Tools\SLIniExtensionsEditor\SLIniExtensionsEditor.exe).

Name	Туре		Add
MovieTitlesStart	Timecode		Edit
FillType	Enumeration		Luitin
Add additional property		×	Delete
Select additional property type:			
Integer	$\sim$		
	ОК	Cancel	
cription of selected property:			
pe: Timecode Inerty Name for SI Ini file: MovieTitlesStart		^   L	Import
fault language			Export
and the second sec			
Name: Start of titles Description: Start of final movie titles			
Name: Start of titles Description: Start of final movie titles fault value: 0.000 sec			
Name: Start of titles Description: Start of final movie titles fault value: 0.000 sec			

Click "Add...". Select the Integer additional property type.

Add "Integer" additional pro	perty	×
Name in SLIni file (only Latin FillAddSize	letters, digits and without gaps)	
Default Name: Description:	Fill extension Expanding the fill area (in pixels)	

Name of property for SLIni file - FillAddSize.

Specify other fields values in "Default" area: "Name" - Fill extension, "Description" - Expanding the fill area (in pixels).

Then exit the application.

Trim Editor - TS1_T	VGuide.avi; AVI; Video: 720x576x2	5.000; Audio: 2 channel(s), 48000 Hz	<b>— — X</b>
	12:32:19		12:32:20.14
	Aovie properties		
	Information Edit SLIni Additional	7	00:00:01.11
	Additional properties		12.32.20.02
$\parallel$ $\times$ $\parallel$		-	
	Age category:	•	
	Program name:		00:00:00.24
			12:32:19.15
	Property	Value	
	With Smoking	Yes	
	Age category	6+	I II SHIPS ARESS
	Rubrika	Nedvizhimost	00:00:00.12
	Vozrastnye kategorii RK	18+	1.0
	Fill type	Black	
	Fill extension	37	13:2
	Start of titles	00:00.00	13:2
	Segmentation descriptor		d 13:2
	Full description		
L			
Duration		*	
Clip: 00:00:	Fill extension		<b>–</b>
Total: 00:00:	Expanding the fill area (in pixels)		anguage 🔻
OnAir time: 12:3			
Reset R			
Consider the Tard			s •
Target Size: 720x576	Reset OK	Cancel Apply	
Aspect Ratio: 4/3 (768)			
Settings Pro	perties	OK	Cancel

New property is added, i.e. a positive number in pixels. Zero is by default.

This property is used only at scaling a picture when "black stripes" appear. Width of stripes is increased by a specified number of pixels. These stripes are filled depending on the "Fill Method" parameter in different ways. Widening of stripes allows you to remove black stripes.

## Additional ways of TrimEditor opening

TrimEditor program can be also run from "Movie" file page in the FDOnAir program to create/edit SLIni files.

Movi	e Movie1							
	R	Γ		× (	D	Ľ	5	
	Name			Dur	ation	Date created		Date modi
	third.avi			00:0	00:35.12	04.12.2013 22:38		29.04.2010
	second.a	vi		00:0	00:47.96	04.12.2013 22:38		29.04.2010
	advert_1				0:47.96	04.12.2013 22:38		29.04.2010
	advert_2	-	IrimEditor		0:47.96	04.12.2013 22:38		29.04.2010
	advert_3		SLBlockEditor		0:47.96	04.12.2013 22:38		29.04.2010
	advert_4		Set folder		0:47.96	04.12.2013 22:38		29.04.2010
	autumn.		Refresh		0:47.96	04.12.2013 22:38		29.04.2010
	first, sec		Find		0:47.96	04.12.2013 22:38		29.04.2010
	Project1.	SLBI	ock.avi	00:0	0:47.96	22.11.2016 15:03		29.04.2010
	summer.	avi		00:0	00:47.96	04.12.2013 22:38		29.04.2010
								Þ

For this open context menu above necessary file and select TrimEditor.

Moreover, TrimEditor can be also run in folder with video files directly without FDOnAir. In this case a context menu appeared for each video file is used.