Product Specification Sheet

Model: WebC600

Product Description: UVC Driverless 1.3M Fix Focus Web Camera Module USB2.0 High Speed

Copy Edition Record

No.	Rev.	Date	Contents
1	1.0	2010/6/17	Primary Edition
2			
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Table of Contents :

1. Product Description :

1-1. Product Introduction :

The Camera Module is built with High Performance 1.3M Pixels CMOS Sensor and Focus Free Lens that can provide you the smooth video on the internet and also no need to Adjusting your Focus. It also supports the UVC (USB Video Class) Driver Free Protocol, You can directly Plug & Play and have Video and Audio functioned without driver installing.

1-2. Product Appearance :

2. Detail Specifications:

2-1 Hardware Specification

Electrical Specification	
CMOS Sensor	Siliconfile 1.3M CMOS Sensor
Back End Chip	Sonix Backend
UVC	Yes
USB 2.0 / High Speed	Support
USB 1.1 / Full Speed	Support
Hardware Snap Button	No
Built in MIC	No
Power Input	5V DC Power
Power Consumption	90 mA @ 1280X1024
Operating Temperature	-10℃ - 50℃
Storage Temperature	-30℃ - 80℃
Optical Specification	
Focus Type	Fix Focus Module
Effective Distance	30 cm to infinity
F No.	F 2.8
View Angle	65.5° (FOV)
Lens Component	3 P Lens
Camera Functional Specification	
Color Depth	24 Bit Color
White Balance	Auto
Exposure Control	Auto
Flicker Control	50 Hz / 60 Hz Manual Adjustable
Default Video Size	640X480
Max. Video Size	1280X1024 **
Default Still Image Size	1280X1024 **
Frame Rate	30 fps @ 160X120 *** 30 fps @ 176X144

	30 fps @ 320X240 30 fps @ 352X288 15-30 fps @ 640X480 4-7 fps @ 1280X 960 4-7 fps @ 1280X1024
Mirror	TBD****
Flip	TBD****
Mechanical Specification	
Dimensions	60mm(L) X 8mm(W) X 4.89mm(H)
Weight	~1 g
USB Cable Length	N/A

* If you want to use software snap function in Vista, AMCAP or other Previewing Software installed is needed.

**. Can be adjusted in the AMCAP or other preview software.

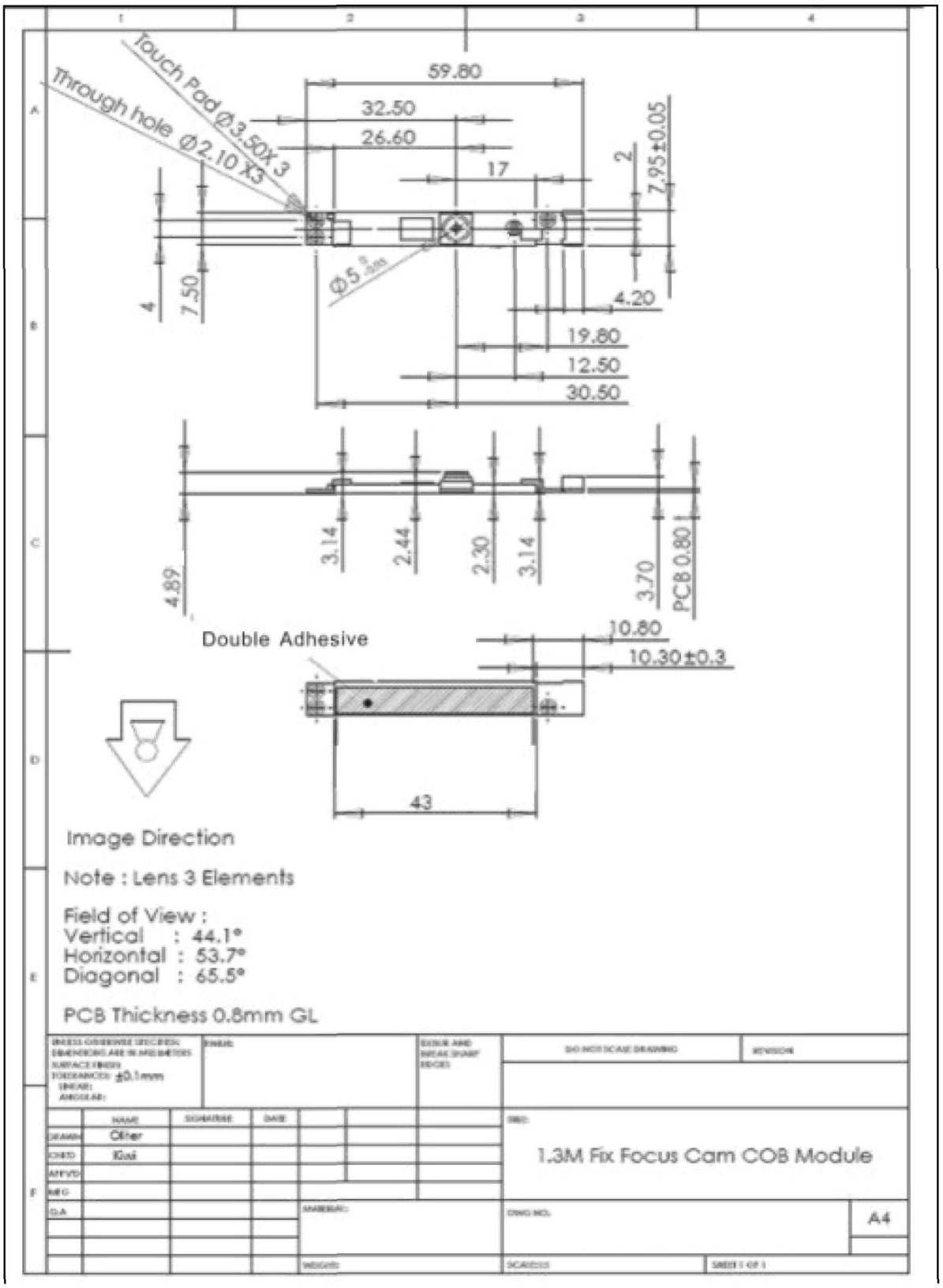
***. Frame rate will be auto adjust based on different lighting condition. Frame rate will be lower if environment is darker.

. **** Can be defined based on customer's request.

2-2. Software Specification

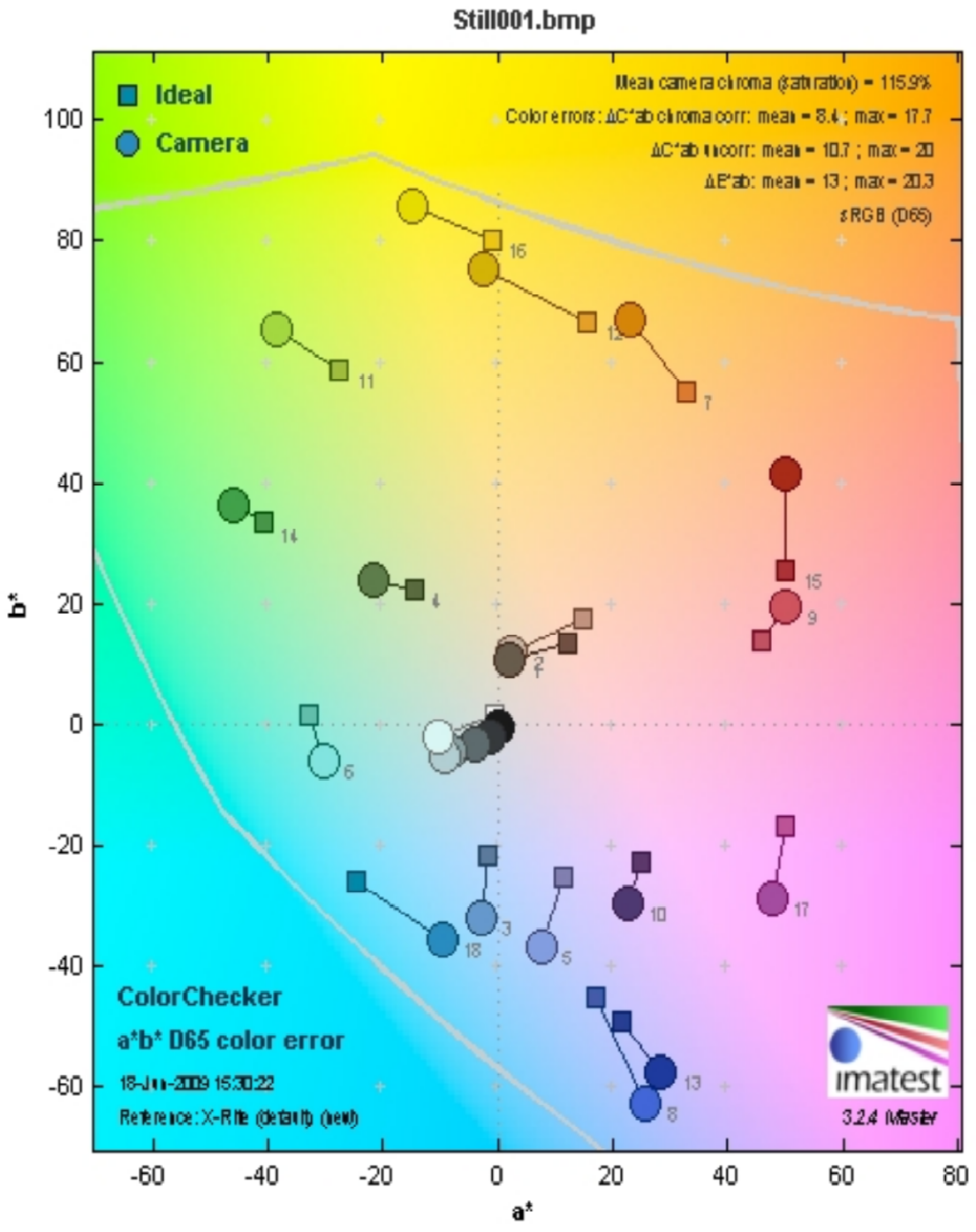
Software Futures	
Driver	UVC / No Driver installing needed
Bundle Software	N/A
Face Tracing	N/A
Live Effect	N/A
Live Frame	N/A
Digital Zoom	N/A
Compatible Ims and Software	
MSN Live Messenger	Yes
Yahoo Messenger	Yes
Skype	Yes
Image Processing Software	Yes
Compatible OS	
Windows	XP / Vista
MAC	MAC OS 10 or above
Linux	Linux Kernel 2.6 above (May need Linux Version UVC Driver pre-installed)
Min. System Requirement	
Video Previewing Only	CPU: P4 - 1G with MMX Technology or above One available **USB** Port RAM: 256 MB or above
Video Recording	CPU: P4 - 1G with MMX Technology or above One available **USB** Port RAM: 512 MB or above HDD: 1G Free Space or above

2-3. Outlook Mechanical Drawing

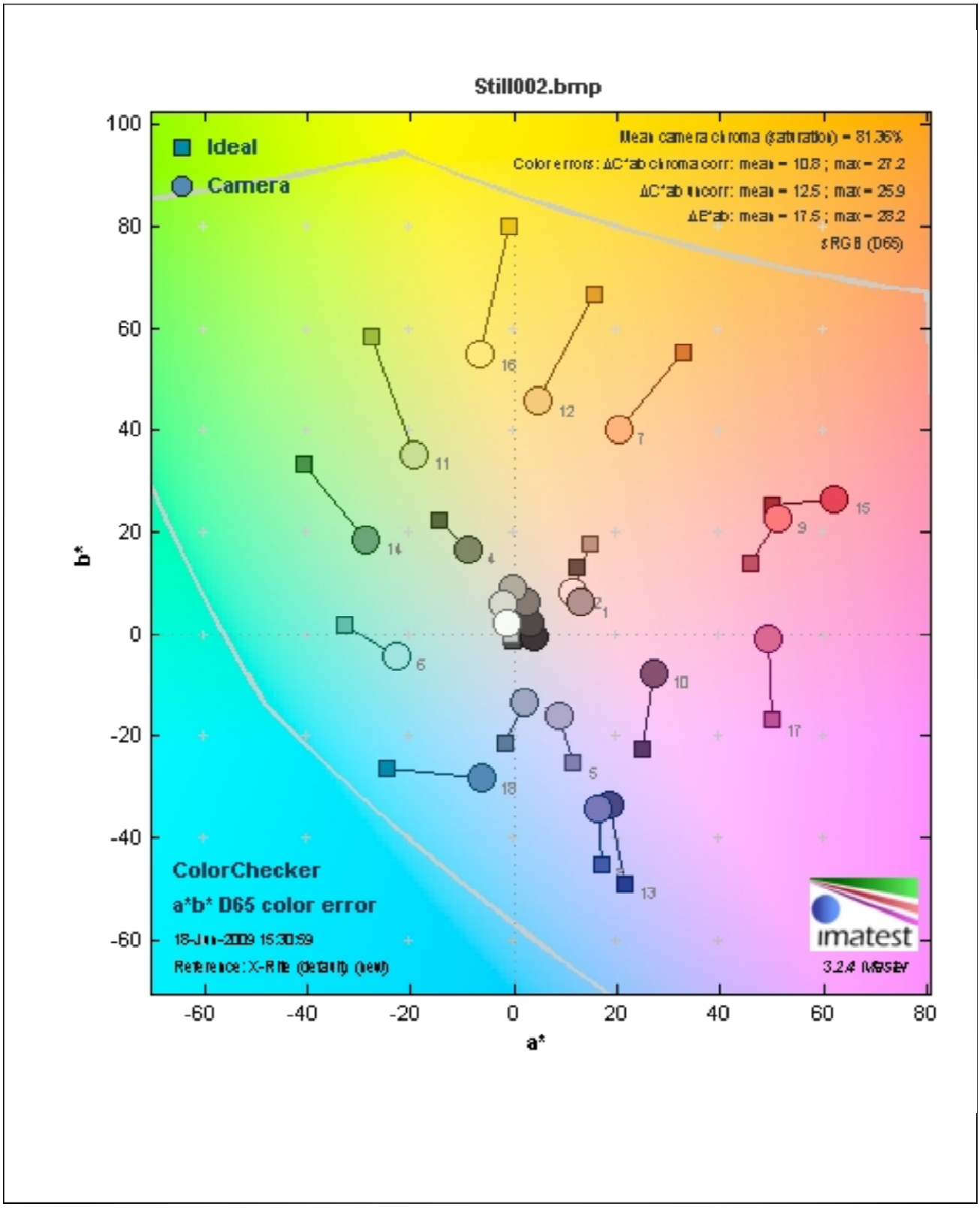


3. Optical and Image Performance Specification

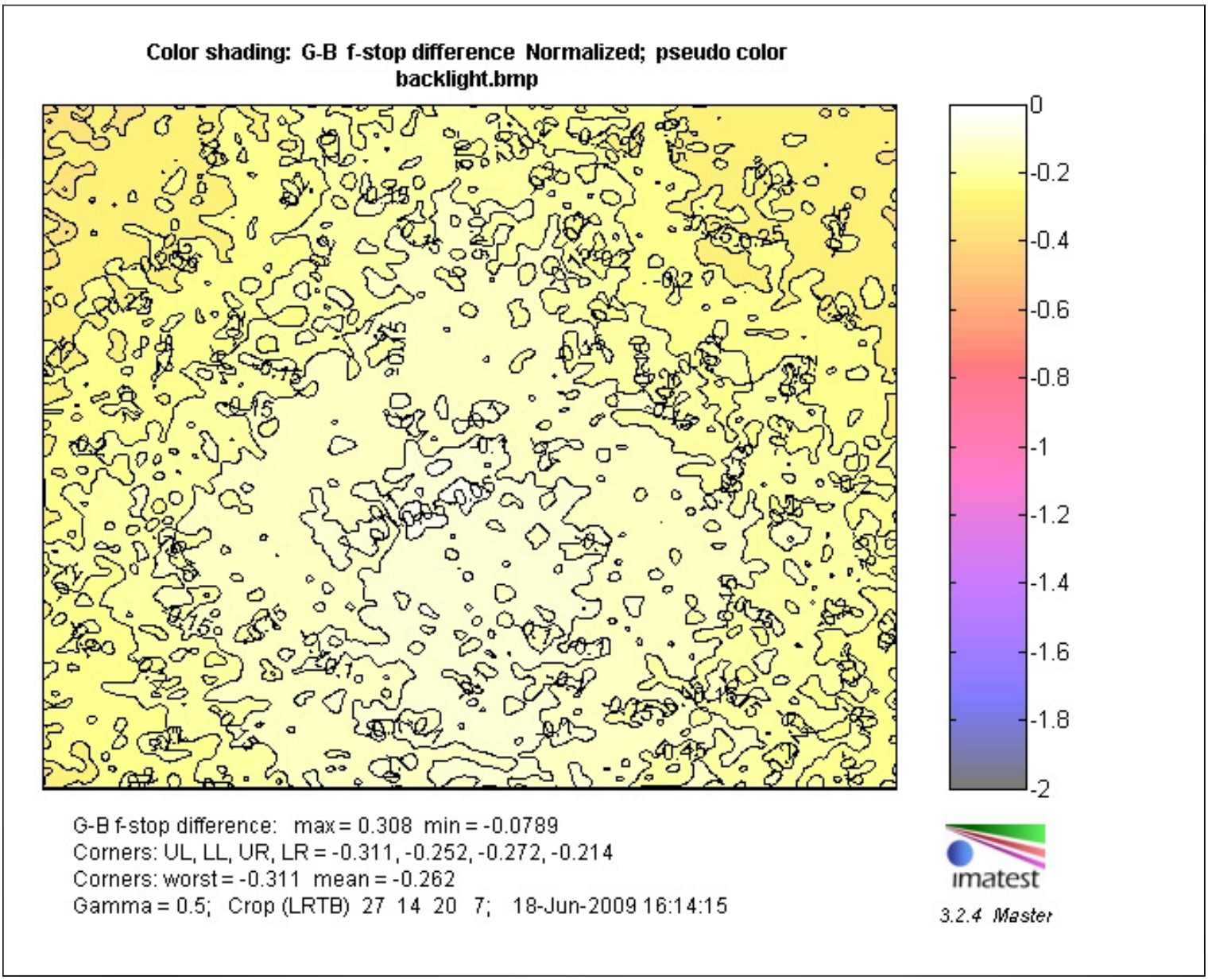
3-1 Image Color Table Saturation Test



3-2 Low Lux. Image Color Table Saturation Test

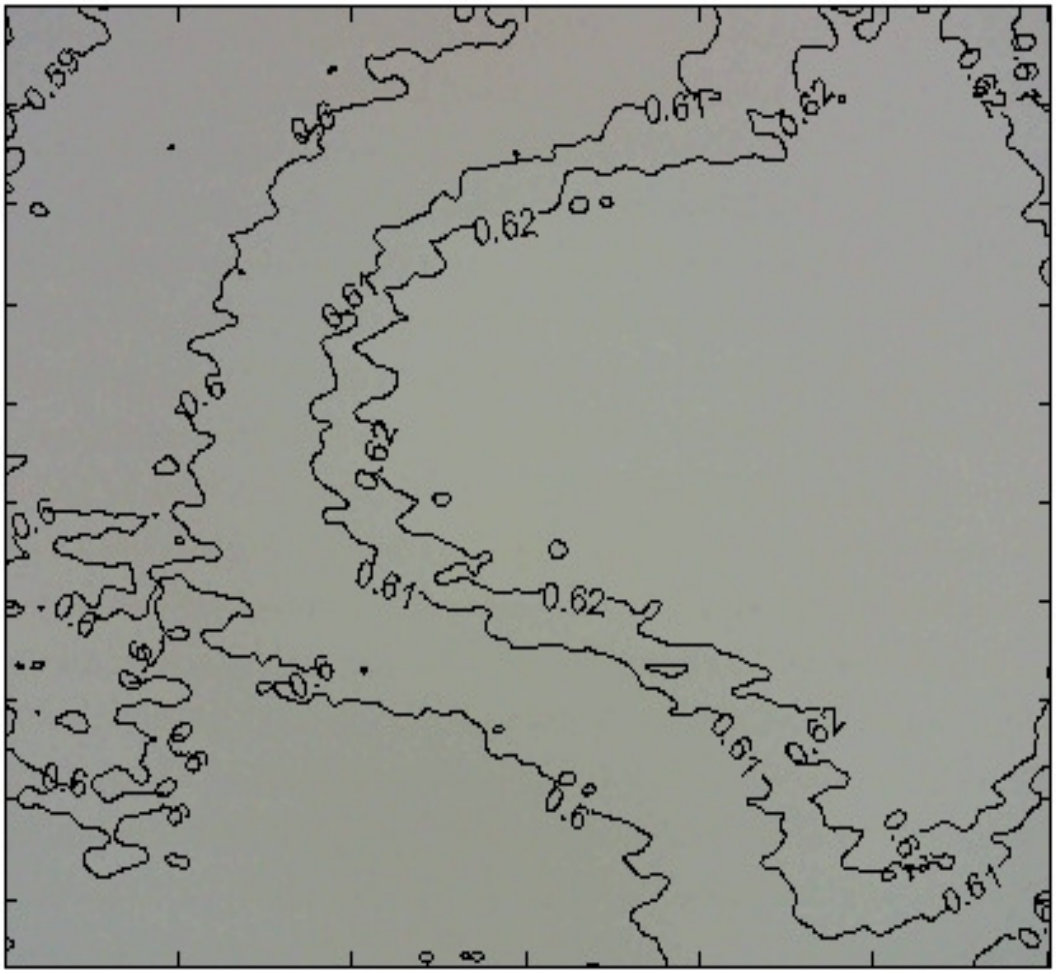


3-3 Color Shading Testing



3-4 Lens Shading Test

Y (luminance) contours
backlight.bmp



Max = 0.629 (relative to 1 for pixel 255) [1% (>=10) areas]
Corners: worst = 0.578 (91.9%); mean = 0.593 (94.3%)
Sides: 0.593 (94.2%) 0.623 (99.1%); mean = 96.6%

Picture Window Pro Light Falloff settings:
Lens Focal Length (mm) = 68; Film Size (mm) = 36
Crop (LRTB) 27 14 20 7

imatest

3.2.4 *Master* 18-Jun-2009 16:14:15

4. Module Handling Precautions

- DO NOT try to open the unit enclosure as there is no user-serviceable component inside.
- To prevent damage to the camera module by electrostatic discharge, handling the camera module ONLY after discharging ALL static electricity from yourself and ensuring a static-free environment for the camera module.
- DO NOT touch the top surface of the lens.
- DO NOT press down on the lens.
- DO NOT try to focus the lens.
- DO NOT put the camera module in a dusty environment.
- To reduce the risk of electrical shock and damage to the camera module, turn OFF the power before connect and disconnect the camera module.
- DO NOT drop the camera module more than 60 cm onto any hard surface.
- To prevent fire or shock hazard, DO NOT expose camera module to rain or moisture.
- DO NOT expose camera module to direct sunlight.
- DO NOT put camera in a high temperature environment.
- DO NOT use liquid or aerosol cleaners to clean the lens.
- DO NOT make any charges or modifications to camera module.
- DO NOT subject camera module to strong electromagnetic field.
- DO NOT subject the camera module to excessive vibration or shock.