





OpenGL Internal Pixel Formats

Sized	Base	R	G	B	A	L	I	D	Sized internal formats continued from previous page								
Internal Format	Internal Format	bits	bits	bits	bits	bits	bits	bits	Sized	Base	R	G	B	A	L	I	D
ALPHA4	ALPHA				4				Internal Format	Internal Format	bits	bits	bits	bits	bits	bits	bits
ALPHA8	ALPHA				8				SRGB8	RGB	8	8	8				
ALPHA12	ALPHA				12				SRGB8_ALPHA8	RGBA	8	8	8	8			
ALPHA16	ALPHA				16				SLUMINANCE	LUMINANCE					8		
DEPTH_COMPONENT16	DEPTH_COMPONENT							16	SLUMINANCE_ALPHA8	LUMINANCE_ALPHA				8	8		
DEPTH_COMPONENT24	DEPTH_COMPONENT							24						•			
DEPTH_COMPONENT32	DEPTH_COMPONENT							32									
LUMINANCE4	LUMINANCE					4			Sized	Base		R	G	в	λ	L	I
LUMINANCE8	LUMINANCE					8			Internal Format	Internal Fo	rmat	bits	bits	bits	bits	bits	bits
LUMINANCE12	LUMINANCE					12			DCDA22P ADD	DCDA		622	622	622	622		
LUMINANCE16	LUMINANCE					16			RGB32F ARB	RGB		£32	£32	£32	- 34		
LUMINANCE4_ALPHA4	LUMINANCE_ALPHA				4	4			ALPHA32F_ARB	ALPHA					£32		
LUMINANCE6_ALPHA2	LUMINANCE_ALPHA				2	6			INTENSITY32F_ARB	INTENSITY							£32
LUMINANCES_ALPHAS	LUMINANCE_ALPHA				8	8			LUMINANCE32F_ARB	LUMINANCE A	TDUA				£32	±32 €32	
LUMINANCE12_ALPHA4	LUMINANCE_ALPHA				4	12			RGBA16F ARB	RGBA	LIFHA	£16	£16	£16	£16	132	
LUMINANCE12_ALPHA12	LUMINANCE_ALPHA				12	12			RGB16F_ARB	RGB		£16	f16	£16			
LUMINANCE16_ALPHA16	LUMINANCE_ALPHA				16	16			ALPHA16F_ARB	ALPHA					£16		
INTENSITY4	INTENSITY						4		INTENSITY16F_ARB	INTENSITY						£1.6	f16
INTENSITY8	INTENSITY						8		LUMINANCE ALPHA16F ARE	LUMINANCE A	LPHA				£16	f16	
INTENSITY12	INTENSITY						12										
INTENSITY16	INTENSITY						16		Table 3.16: Correspond	lence of sized int	ernal	for	mats	to bas	se		
R3_G3_B2	RGB	3	3	2					internal formats, and	desired component	reso	lutio	ons f	or eac	ch		
RGB4	RGB	4	4	4					16- and 32-bit floatin	g-point, respecti	velv.			rmbrì			
RGB5	RGB	5	5	5							1						
RGB8	RGB	8	8	8													
RGB10	RGB	10	10	10					(FP formats	are currently na	art of		R ter	rture	floa	at)	
RGB12	RGB	12	12	12					(in ionnais are currently part of Arb_texture_float)								
RGB16	RGB	16	16	16													
RGBA2	RGBA	2	2	2	2												
RGBA4	RGBA	4	4	4	4												
RGB5_A1	RGBA	5	5	5	1												
RGBA8	RGBA	8	8	8	8												
RGB10_A2	RGBA	10	10	10	2												
RGBA12	RGBA	12	12	12	12												
RGBA16	RGBA	16	16	16	16												
Siz	ed internal formats cor	ntinued	on ne	xt pag	e												
rnell CS569 Spring	g 2008														Lect	ure	10.

Gamma correction and illumination



GPU Gems 3

