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· AI · · VR/XR ·

· 2026 7



AI

VR/XR

1.1



- AI AI AI
- " "
- X1/X2/X3 " "

1.2



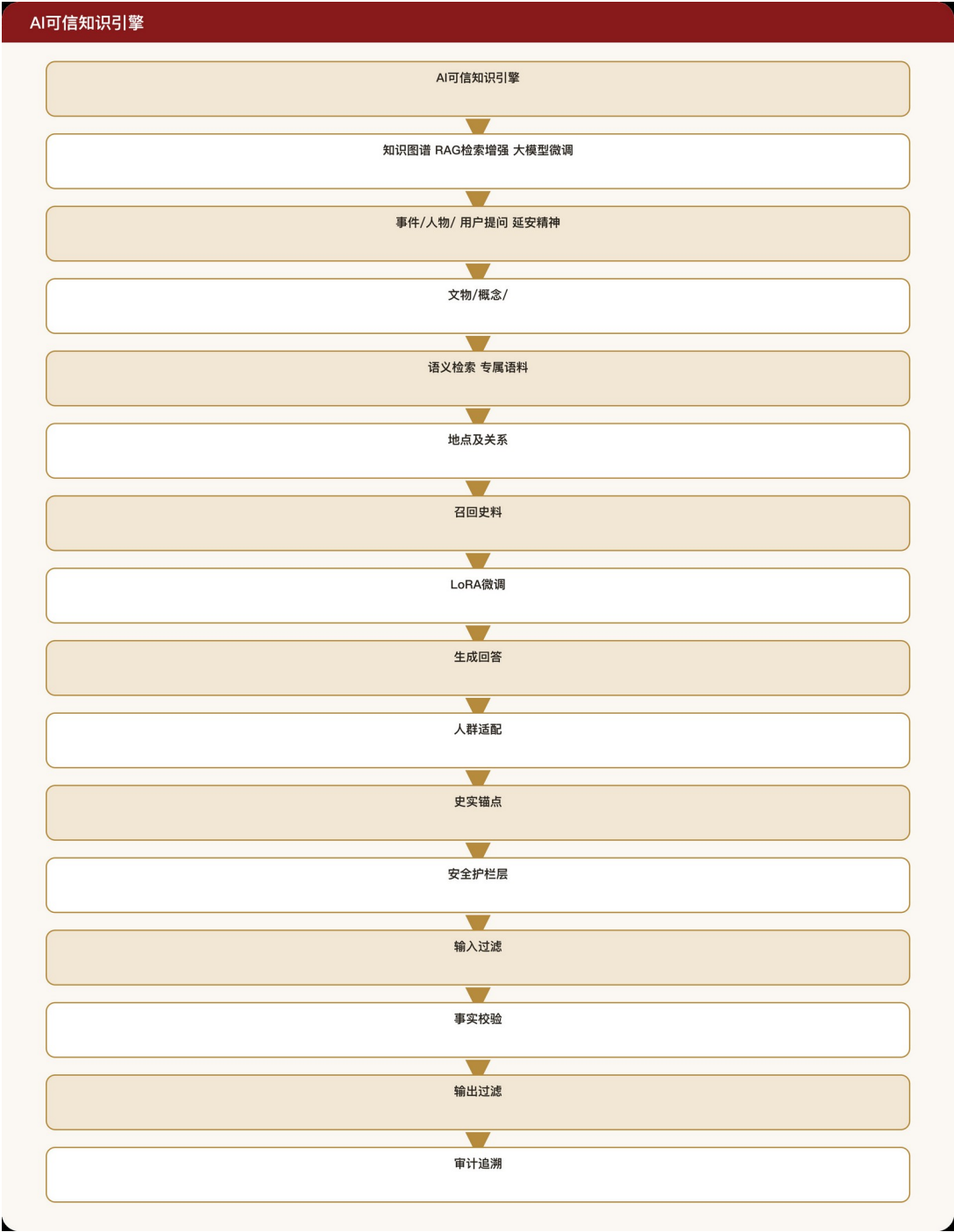
- **AI** ♦ ♦
- **Web** / / CDN
- **VPN**
- S9

4

Web	H5	3D
-----	----	----

AI

AI " " ' **✦ RAG ✦** ' AI



- 知识图谱 RAG检索增强 大模型微调
- **RAG** 知识图谱 RAG检索增强 大模型微调
- 事件/人物/ 用户提问 延安精神
- 文物/概念/
- 语义检索 专属语料
- 地点及关系
- 召回史料
- LoRA微调
- 生成回答
- 人群适配
- 史实锚点
- 安全护栏层
- 输入过滤
- 事实校验
- 输出过滤
- 审计追溯

2.2 AI

" AI "

I			
AI		+	+
	/	+	+
		+	+
	/	+	+

- AI ---
- AI ---
- AI

2.3 AI

- AI
- " "
- AI
- 100%
-
- NPC VR AI

2.4

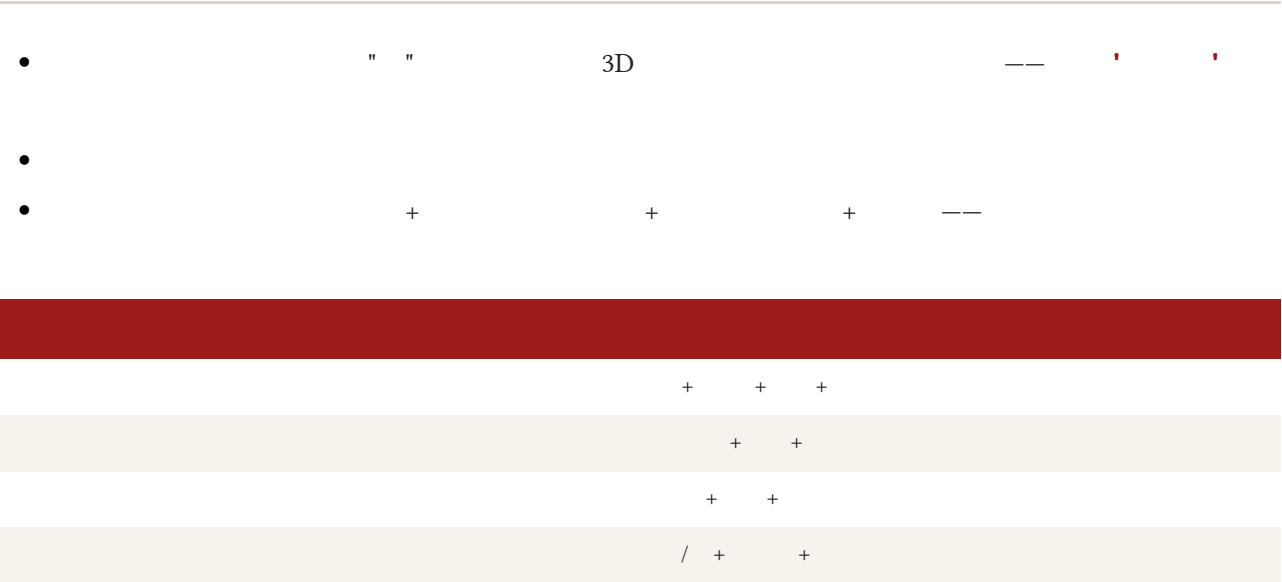


	UI	+AI
		+
/	UI	+AI
		+
AI		

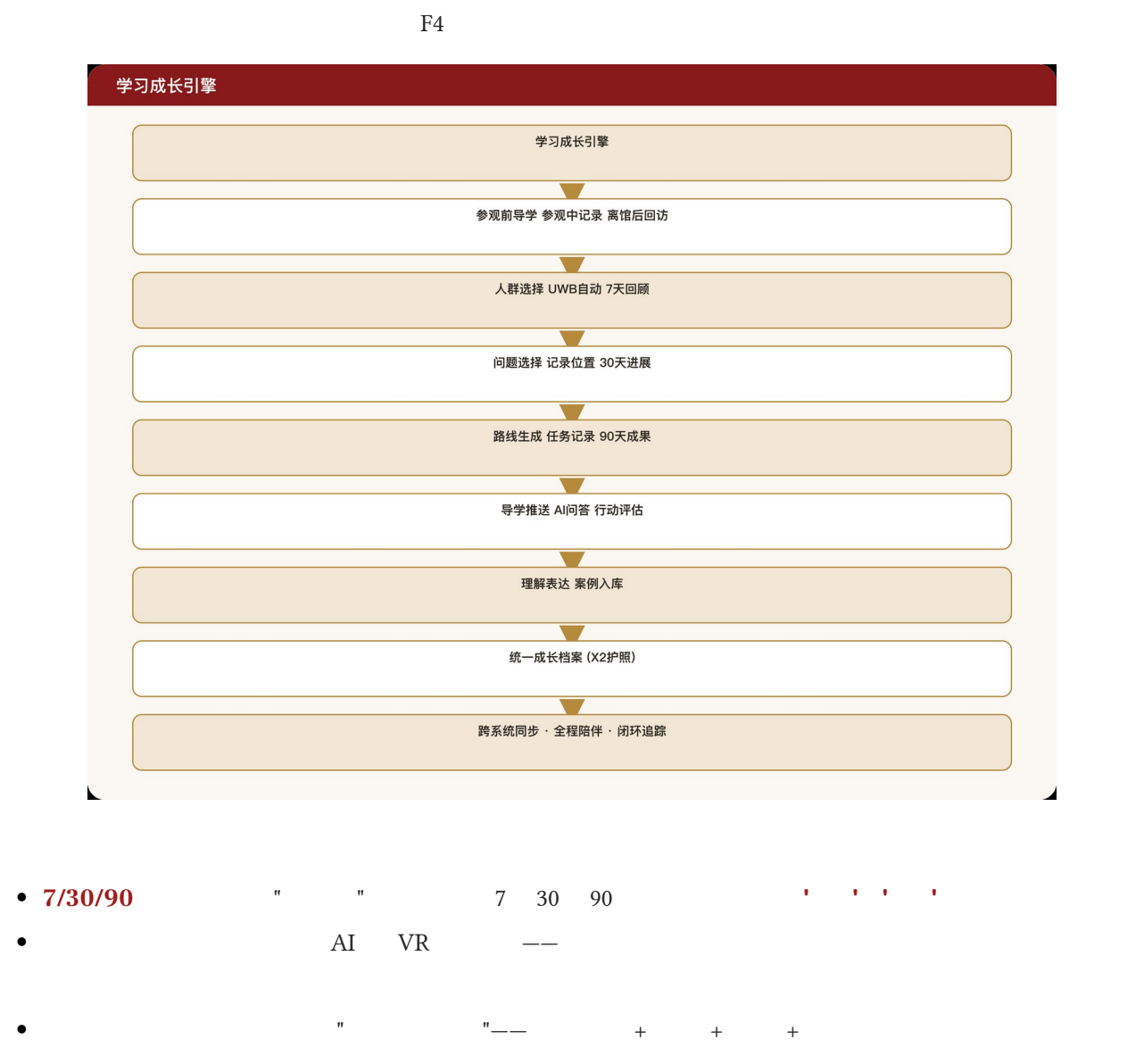
3.1

AI





3.2



" "



-
-
-

" "

— App Store

AI

—

4.1 F1"



X1 F1 —

X1 体验编排引擎



- **UWB** UWB UWB 10-30cm 10Hz --

- " + + "
- LED VR AI --

LED / API

DMX512 over IP

VR/AR + VR

AI +

45

-
- / " " / 45 /
- 6 1 VR
- 3 +

0

- + →
- UWB →

1 0-8

- → UWB → X1

-
- →

- AI " + "
- " " → AI

2 8-18

- UWB → 3D +

-
- →
- " "

3 VR 18-28

- + 3
- VR + →
- + +
-
- VR AI NPC
- 4 28-35
- UWB →
- →
- AI
- AI " " → AI

5 35-42

-
- " "
- " "
- 6 42-47
-
- " "
- 7/30/90

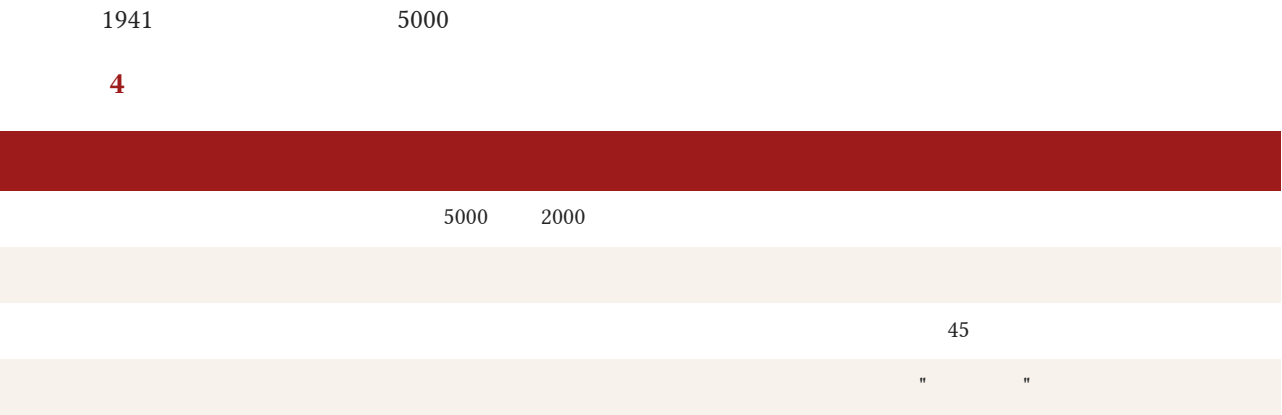
- 100% 8 AI 2 VR 1
- "
- PDF

- 7
- 30
- 90 → F6

4.2 F2" . "



- 9 → → → → → →AI → →
- **VR** **VR** AI —**VR** **VR**
- **AI** AI —



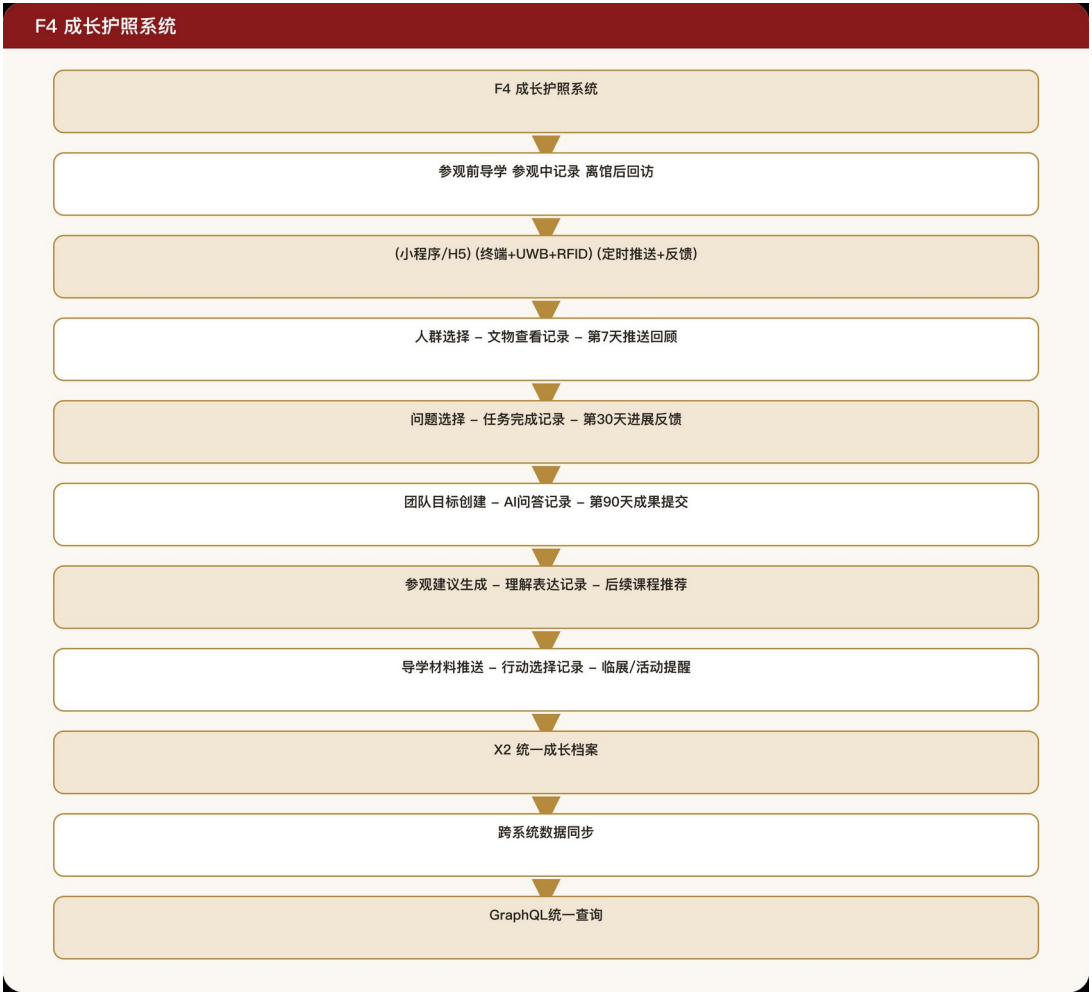
- 5**
- " "
 - 3D
 - 1943
 - 1942

- _____

展柜前扫描二维码



4.4 F4"



- AI VR API
-
- H5 /

3

- / " " / /
- 8 2 +1 VR
- + +

3

1	(15min)	AI
2	(20min)	22
3	" (25min)	

4	VR (10min)	
5	(20min)	AI 2
6	" (25min)	
7	(20min)	
8	(15min)	

- " "
- 1 → 2-3 → 4
- +

- 7 " 3 "
- 30 + +
- ✓ →

4.5 F5" "



- WebGPU+PBR WebGL+ + ---
- ---
- **CDN** CDN
- WebRTC + CRDT ---

8

- H5 → → 8
- → 3D → → AI
- AI " ..."
-

3

- " " 45
- (15min) → (5min) → (10min) → →
-

2

- " "
- 1 + 1 + 2
- → → →
- 4 → AI → →

4.6 F6" "



- AI AI "AI " ——AI
- AI ——— ◆

- 50 3D 100 ——

2026

+ / / /

30

- 1 API $\rightarrow$ " -- "
- 2 AI AI $\rightarrow$ $\rightarrow$
- 3 + +
- 4 AI $\rightarrow$ $\rightarrow$

$\rightarrow$ " " $\rightarrow$ 5

4.7 F7" "

4.7 F7" "



-
- A horizontal timeline illustrating the evolution of Artificial Intelligence (AI) from 1956 to 2023. The timeline is marked with years and key events, connected by a light blue line. The events are as follows:
- 1956**: The term "AI" is coined at the Dartmouth Conference.
 - 1957**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 1959**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 1965**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 1973**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 1980**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 1985**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 1990**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 1995**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2000**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2003**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2006**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2009**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2012**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2015**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2016**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2017**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2018**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2019**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2020**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2021**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2022**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.
 - 2023**: The first AI program, ELIZA, is developed by Joseph Weizenbaum.

[illegible]

4.8 F8"



- 13 000
- App
- AI L2 AI
- VR L2/L3 VR VR

L2

7

Day 1-2	×2	VR	×2						
Day 3-4		+500	+10	+2	+1	VR	AI		
Day 5	VR								
Day 6									
Day 7	→	→							

5.1 VR/XR

VR/XR " " — F1 F2



- **Unity + XR Interaction Toolkit** XR Pico/Meta Quest
- **6DOF** — ' '
- —
- / / / / —

5.2 VR

1941-1943	+	+	+
1938-1945	+	+	
1938-1947	+		
1943-1945	+	+	
1979-1984	+	+	

5.3 VR



- **Photon Fusion** 4 — **VR**
- **F2** VR F2 4 — ' '
- **VR AI NPC** AI — **VR** ' '
- **AI**

5.4 VR F2

VR F2 VR VR



排队区（3分钟）



5.6 VR

L2/L3 VR



CloudXR (NVIDIA)	15-30ms	L3
ALVR ()	20-40ms	L2
	<10ms	L4
WebXR	30-80ms	F5

5.7 VR

	/ /
	15 30
	12
	+UV 3
	72fps VR LOD

5.8 VR

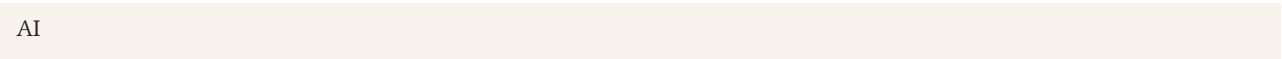
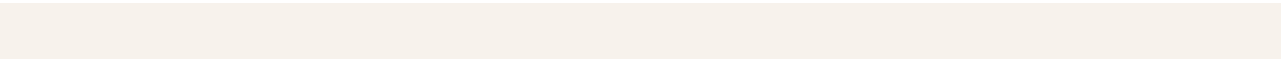
- 4
- 8-15
- 3 +
- 120-160 /
-
- VR

6.1 X1



• CEP "" + + + "

• UWB " " " "



AI

VR

VR

6.2 X2



- GraphQL

API

，

-

90

6.3 X3



• AI

•

— AI

10

—

, ,

7.1

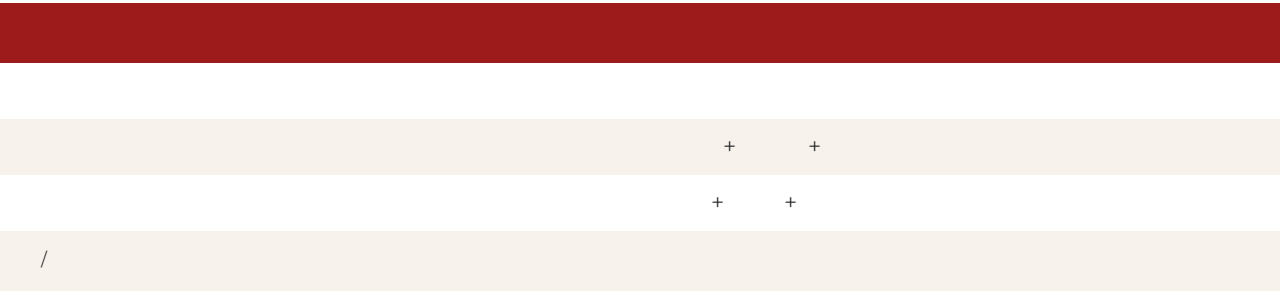


7.2 AI



- AI
- NPC
-

7.3

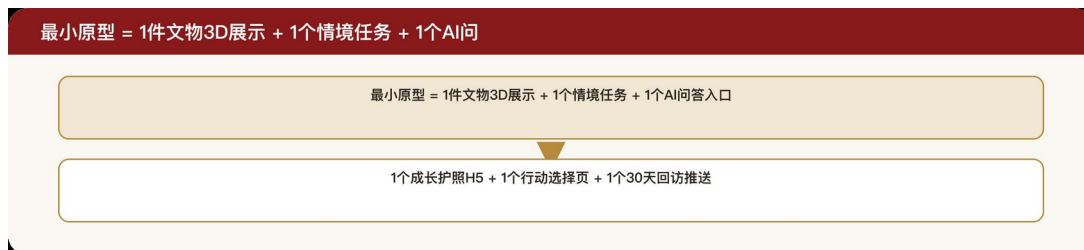


AI

+

+

8.1



8.2



8.3



8.4

AI		≥90%
AI		100%
		≥70%
		≥50%
30		≥20%
		≥3.5/5

AI		+
		+
	CDN	+
VR		+ + H5

[illegible]

10.1

AI	3-4	RAG
	4-5	API
	3-4	Web/ /
3D/XR	2-3	3D Unity VR
	2	
DevOps	2	CI/CD
	2	
UI/UX	2	

10.2

Technology	Percentage
VR/AR/IoT	100%
3D	3%
VR/AR/IoT	3%

- **AI** + RAG + +
-
- X1 + X2 + X3

- Unity VR/XR + 6DOF + + F1/F2
- API
- + GPU + 5G/IoT + CDN
- AI + +



- AI
 - + VR + +
 - AI + +
 - + 7/30/90
 - + +
 - + +
- " " 7